### A & H Income Tax Centers, Inc. 820 Hempstead Turnpike

Franklin Square, NY 11010 (516)352-1333

#### A Data Services

See: Mountain States Computing

### A Supplementary DP Service, Inc.

19 Westinghouse Plaza Bloomfield, NJ 07003 (201) 743-3164 Guido Tango, President Private Total Sales FYE 4/83: \$1,000,000 Est. Computer Services Offered: • Processing

#### A. B. Dick Company

SUBSIDIARIES:

#### A. B. Dick Company Business Systems 55 William St

Wellesley, MA 02181 (617)431-1300 Computer Services Offered: • Processing

A. B. Dick Company Business Systems

See: A. B. Dick Company

Professional Services

#### A.M.S. Consulting Limited P.O. Box 828 Station B

Ottawa, Ontario ON K1P5P (613) 238-4831 Michael McCracken, President Private Total Sales FYE 6/83: \$1,200,000 Est. Cptr. Svcs. Revs. FYE 6/83: \$175,000 Est. Computer Services Offered: • Software Products •

A-T-O Systems Management Group Inc. Name changed to: Figgie Systems Management Group, Inc.

#### AAA Technology and Specialties Company 3000 Rodgerdale Rd

Houston, TX 77042 (713) 789-6200 Reid T. McNally Jr., President Private

Total Sales FYE 3/83: \$3,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

**AB** Computers 69 Fifth Avenue, Ste. 15G

New York, NY 10003 (212) 807-1228 Cynthia Mason, President Private

ABC Management Systems 26502 Morena Dr Mission Viejo, CA 92691

(714) 768-1163 Vern Ruskin, President Private

### Abt Associates, Inc.

55 Wheeler Street Cambridge, MA 02138 (617)492-7100 Clark Abt, President Public Total Sales FYE 3/83: \$18,036,913 Computer Services Offered: • Software Products •

Professional Services DIVISIONS:

#### Abt Information Services

55 Wheeler St Cambridge, MA 02138 (617)492-7100 Computer Services Offered: • Processing

#### Abt Information Services See: Abt Associates, Inc.

ACA Computer Services, Inc.

119 Fifth Ave. Suite 201 New York, NY 10003 (212) 903-4113 Hugo W. Roberts, President

#### **ACS Data Services**

1940 Elm Hill Pike Nashville, TN 37201 (615)889-5830 William Gray, President

# ADP Banking Services Division See: Automatic Data Processing Inc.

ADP Brokerage Services Division See: Automatic Data Processing Inc.

ADP Collision Estimating Services Inc. See: Automatic Data Processing Inc.

ADP Commercial Services Division

See: Automatic Data Processing Inc. ADP Comtrend Division See: Automatic Data Processing Inc.

ADP Dealer Services Division See: Automatic Data Processing Inc.

ADP Electronic Financial Services

Division See: Automatic Data Processing Inc.

ADP International See: Automatic Data Processing Inc.

## Directory of Computer Services Companies

### ADP Network Services Division

See: Automatic Data Processing Inc.

#### ADP Pension Services Division See: Automatic Data Processing Inc.

#### ADP Telephone Computing Services See: Automatic Data Processing Inc.

### ADP Thrift Services Division

See: Automatic Data Processing Inc.

#### ADR Datacom Division See: Applied Data Research, Inc.

### ADR International Corp.

See: Applied Data Research, Inc.

#### ADR Services, Inc.

See: Applied Data Research, Inc.

### AFI-Datatrol Division

See: Address-a-Graph Farrington, Inc.

#### AGMO Software

See: Gurries and Okamoto, Inc.

#### AGS Computers Inc.

1135 Spruce Dr. Mountainside, NJ 07092 (201) 654-4321

Joseph Abrams, President

Total Sales FYE 12/82: \$65,026,000

Cptr. Svcs. Revs. FYE 12/82; \$26,115,000 Computer Services Offered: • Software Products • Professional Services

### Automated Medical Associates, Inc.

890 Valley Forge Plaza King of Prussia, PA 19406

(215) 265-2911 James G. Walls, VP International Systems Inc.

SUBSIDIARIES:

Private

DISC, Inc. 3837 Naylors Ln.

Baltimore, MD 21208 (301)486-0410

H. Allen Luray, President Computer Services Offered: • Software Products

#### PHD Systems, Inc.

12 Lakeside Office Park Wakefield, MA 01880 (617) 245-3013 Russell Dunkle, Jr., President

## AGS Management Systems, Inc.

See: AGS Computers Inc.

## AIS Corporation - Medical Management

Systems 225 Jackson St. Bernards Professional Center

Bridgewater, NJ 08807 (201) 526-8100

Stephen Sullivan, President

Total Sales FYE 12/82; \$2,200,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### AM Computer Services Corp.

123-C Great Valley Parkway Malvern, PA 19355 (215) 648-0880

### AMI Systems Inc.

250 West 57th St New York, NY 10005 (212)581-8300

Irving Wachs, President

Total Sales FYE 6/81: \$350,000 Est. Computer Services Offered: • Processing

### AMS Information Inc.

See: Silton Data

### APL Data Systems

710 Main, W Arlington, TX 76013 (817)265-2132

### APL Services Inc.

Acquired/Merged with: Computer Company, (The)

#### APL Systems

190 West 800 North Provo, UT 84601 (801)375-0090

Roydon Olsen, VP and General Manager

Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: • Processing • Software

Products • Professional Services

#### AR Mediquest

2990 Lake Lansing Rd East Lansing, M1 48823 (517)337-9494 Jean Johnstone, President

Computer Services Offered: • Software Products

### ARC Automation Group Inc.

See: American Express Company

### ARC Automation Services Inc.

See: American Express Company

### ASA, Inc.

3 Speen Street
Framingham, MA 01701
(617) 872-2700
Christopher Crane, President
Private
Total Sakes FYE 9/83: \$3,400,000 Est.
Computer Services Offered: Processing Professional

### ASCC, Inc.

Private

25954 Eden Landing Rd. Suite 102 Hayward, CA 94545 (415) 786-1889 Amy Cho, President

### ATA Services, Inc.

444 Castro St, 6th Fl

Services . Turnkey Systems

See: American Trucking Association Inc.

#### ATAC

Mountain View, CA 94025 (415)965-8801 Banley Maletis, CEO Private Cptr, Svcs. Revs. FYE 6/82: \$2,500,000 Est. Cptr, Svcs. Revs. FYE 6/82: \$2,500,000 Est. Computer Services Offered: • Professional Services

#### ATE Associates Inc

5707 Corsa Ave Westlake Village, CA 91362 (213) 991-4001 Sy Barasch, President Private

Total Sales FYE 12/82: \$7,300,000 Est.

Computer Services Offered: • Software Products • Professional Services

### ATM/Network Management Corp

2901 Finley Rd.
Downers Grove, IL 60515
(312)932-9555
E.L. Smith, President
Private
Total Sales FYE 12/82: \$3,00

Private
Total Sales FYE 12/82: \$3,000,000 Est.
Computer Services Offered: • Processing • Turnkey
Systems

#### AUI Data Graphics 1701 K Street NW Third Floor

Washington, DC 20006 (202) 331-1800 Alan Pallear, President

### AV Products, Inc.

237 Washington St. Marblehead, MA 01945 (617) 598-2716 Dan L. Sullivan, President Private

Total Sales FYE 12/82: \$750,000 Computer Services Offered: • Software Products • Professional Services

### AVP Systems 237 Washington St

237 Washington St
Marbibchead, MA 01945
(617)598-2716
Daniel L. Sullivan, President
Private
Total Sales FYE 7/81: \$750,000 Est.
Computer Services Offered: • Software Products

### AW Consultants, Inc.

Woods Road and Rt. 38 Basco Building Cherry Hill, NJ 08002 (609) 779-7200 Nick Ambrus, President Private Computer Services Offered: • Turnkey Systems

#### A.C.T.S. Corporation 11910 Gate Way Austin, TX 78759

Austin, 1X 78759 (512)258-7869 Computer Services Offered: • Software Products

### Aardvark Software

783 North Water St.
Milwaukee, WS 53202
(414) 289-9988
Donald Cook, President
Private
Computer Services Offered: • Software Products

### Aarkus Stistsdogtrykkeri

#### SUBSIDIARIES:

# Computer Composition International

Encino, CA 91436 (213) 986-5552 Hans Bassoe, President

#### ABACUS Associates 6565 West Loop South, Stc. 220 Bellaire, TX 77401

(713) 666-8146
James A.Ostrom, President
Private
Total Sales FYE 7/83: \$500,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Academic Financial Services Association

23800 Hawthorne Blvd. Torrance, CA 90505 (213) 373-8661 Richard Kipper, President

Cptr. Svcs. Revs. FYE 12/82: \$11,000,000 Est.

Computer Services Offered: • Processing

## Directory of Computer Services Companies

#### Acc-U-Data

See: Computeristies, Inc.

#### Access Data Systems, Inc.

See: Anacomp, Inc.

### Access International, Inc.

208 Union Wharf Boston, MA 02109

(617) 367-3690 Mohamed Fottuhi, President

Total Sales FYE 3/81: \$4,000,000

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Access Technology, Inc

6 Pleasant St South Natick, MA 01760

(617)431-1775 Computer Services Offered: • Software Products

#### Acco Industries

40 Bristol St. Waterbury, CT 06708 (203)575-3000

### Accountant's Microsystems, Inc.

1404 140th Place, N.E. Bellevue, WA 98005 (206) 643-2050

Private

Total Sales FYE 7/81; \$500,000 Est.

Computer Services Offered: • Software Products • Turnkey

### Accountants Computer Network, Inc.

565 Brainard, Ste 102 La Grange, IL 60525 (312) 354-8988 Ken Kendrieks, President

#### Accountants Computer Resources Corp. (ACR)

3003 Central Ave N. Phoenix, AZ 85012 (602)274-2716

Computer Services Offered: • Processing • Software Products

### Accountants Processing Center

2200 S. Brentwood Blvd. St. Louis, MO 63144 (314) 968-3434

Palmer L. Conran, President

Total Sales FYE 12/82: \$450,000 Est. Computer Services Offered: • Processing • Software

#### AccounTech Systems, Inc. 28104 Orchard Lake Rd.Ste 108

Farmington Hills, MI 48018 (313)626-0770

Agnes Kraus, President Private

Computer Services Offered: • Software Products

### Accounting Corporation of America

1929 First Avenue San Diego, CA 92101 (714) 232-6823

Nat Colker, President Private

Cptr. Sves. Revs. FYE 12/82: \$12,500,000 Est. Computer Services Offered: . Processing

#### Accounting Data Service

511 Millburn Ave Shorthill, NJ 07078 (201) 467-0050 Herbert Sarwin, President

Private

Total Sales FYE 12/81: \$550,000 Est. Computer Services Offered: • Processing

#### Accounting Datamation Inc. 1300 South State College

Anaheim, CA 92805 (714) 956-0450 John Weir, President

Private

### Accounting Systems Corporation

59 Schoolground Rd. Branford, CT 06405 (203) 481-4201 John W. O'Brien, President Private

#### AccTex Information Systems

601 Montgomery St San Francisco, CA 94111 (415) 981-1920 Mason Grigsbey, Executive Vice President

Total Sales FYE 7/82; \$1,200,000 Est.

Computer Services Offered: • Processing • Turnkey

#### Accurate Data Services Inc. 5040 W. Irving Park

Chicago, IL 60641 (312) 777-1072 Robert Lee, President

Computer Services Offered: • Processing • Professional

### Accurate Keypunch Service Inc.

10700 Caribbean Blvd. Miami, FL 33189 (305) 238-4525

#### Accusoft Inc. One California St. Suite 2230

San Francisco, CA 94111 (800)632-2131

## Directory of Computer Services Companies

#### AccuSystems

Name changed to: AB Computers

## Accutab Data Processing Inc. See: Market VAX

### Ace Software Inc.

6314 Feeds Rd P.O. Box 254 Grove City, OH 43123 (614) 875-4910 Michael Uhrin, President

Trivate
Total Sales FYE 1/83: \$600,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### ACES Software

1415 Slocum Suite 225
Dallas, TX 73207
(214/345-1468
JOR R. Moore, President
Private
TOTAL SIGNER SUITE (8/81: 580,000)
TOTAL SIGNER SIGNER SUITE (8/81: 5380,000)
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### Acoma Computer Resources

50 Mariposa Ave W Phoenix, AZ 85013 (602)264-2289

#### Acorn Software Products Inc. See: Banburry Books

Action Data Services

See: Control Data Corporation

### Actuarial Computer Technology Inc.

See: Distributive Network of America

#### **ADAC Laboratories**

255 San Geronimo Way Sunnyvale, CA 94086 (408) 736-1101 Charles W. Cantoni, President

#### Adcon

SUBSIDIARIES:

### Applied Design Company Inc.

Computer Services Offered: • Turnkey Systems

2465 Sheridan Drive Tonawanda, NY 14150 (716) 837-4400 H. Eugene Johnson, President Private

Address-a-Graph Farrington, Inc.

#### DIVISIONS:

#### AFI-Datatrol Division

Kane Industrial Dr. Hudson, MA 01749 (617) 568-1411 Ed Olson, President Private

Computer Services Offered: • Turnkey Systems

#### Adelie Corporation 840 Memorial Dr.

840 Memorial Dr.
Cambridge, MA 02139
(617) 661-8400
Paul Stager, President
Private
Computer Services Offered: • Software Products

Companie Devices Dyjestes

#### Adfomation Inc.

Name Changed to: 3M Datatrak Systems, Inc.

### Admins, Inc.

675 Missachusetts
Cambridge, MA 02138
(617) 661-3206
Dave Griffel, President
Private
Total Sales FVE 6/83: \$2,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

#### ADPAC Corporation 120 Howard Street

San Francisco, CA 94115
(415) 981-2710
Peter P. Harris, President
Private
Total Sales FYE 12/82: \$1,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

### Advance Business Services

5908 Robertdale Rd. Bedford, OH 44146 (216) 232-4653 Donald D. Webster, President Private

#### Advance Data P.O. Box 733

Jonesboro, AR 72401 (501) 932-8341 Dale May, President Private Total Sales FYE 12/82: \$800,000 Est. Computer Services Offered: • Processing

#### Advanced Applications Inc. 24 California Suite 312

San Francisco, CA 94101
(415) 397:7843
Charles A. Olson, President
Private
Total Sales FYE 3/83; \$150,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

## Directory of Computer Services Companies

### Advanced Computer Management Corp.

3001 W. Big Beaver RD. Suite 402 Trov. M1 48084

(313)649-1800 Harve C. Light, President

Private

Total Sales FYE 12/81: \$6,000,000

Computer Services Offered: • Professional Services

### Advanced Computer Techniques

Corporation (ACT) 16 East 32nd Street

New York, NY 10016 (212) 696-3600

Oscar Schachter, President

Total Sales FYE 12/82: \$18,355,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Creative Socio-Medics Corp (CSM)

437 Madison Ave

New York, NY 10022 (212)593-2908

Computer Services Offered: • Software Products

#### Advanced Control Technology

P.O. Box 1148

Albany, OR 97321 (503) 967-8000

Jon E. Walker, President

Total Sales FYE 7/83: \$8,000,000 Computer Services Offered: • Turnkey Systems

### Advanced Cybernetic Inc.

4 Park Plaza, Park Rd. N Wyomissing, PA 19610 (215) 374-2207

Robert Frutchey, President

....

#### Advanced Data Group

20370 Town Center Lane, Suite 255

Cupertino, CA 95014 (408) 446-4346

Richard Wieckowicz, President

Computer Services Offered: • Processing • Professional Services

#### Advanced Data Management

See: Aeronautical Research Associates of Princeton (ARAP)

### Advanced Data Processing Inc.

146 Westcott Houston, TX 77007

(713)880-2300 George G. Stubblefield III, President

Private

### Advanced Data Systems Inc.

4010 Long Beach Blvd.

Long Beach, CA 90807 (213) 426-8155

Dennis L. Christy, President

Total Sales FYE 12/81: \$2,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

#### Advanced Data Systems, Inc. 3604 Galley Rd., Ste. 105

Colorado Springs, CO 80909 (303) 574-5074

Private

Total Sales FYE 7/83: \$500,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Advanced Digital Data, Inc.

254 Rt. 206 Flanders, NJ 07836 (201) 584-4026

Bruce Bott, President

Advanced Legal Software 524 Cooke St

Honolulu, HI 96813

(808) 536-0831

Total Sales FYE 7/82; \$1,000,000 Est.

Computer Services Offered: • Software Products

### Advanced Management Applications

3855 N. 29th Ave, Suite 5

Phoenix, AZ 85017

### Advanced Management Technologies

P.O. Box 1597 Houston, TX 77001

(713)373-1905 W.G. Welter, President

Private

Total Sales FYE 4/81: \$450,000 Est.

Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

## Advanced Medical Systems

Rockville Centre, NY 11570

(516) 764-5953 Gerold Ehrlich, President

Private

Total Sales FYE 6/83: \$4,500,000

Computer Services Offered: • Processing • Turnkey Systems

### Advanced Operating Systems

450 St John Rd Michigan City, IN 46360

(219)879-4693

Computer Services Offered: • Software Products

#### Advanced Software Products

100 E. Linton Blvd. Delray Beach, FL 33444 (305) 276-5080 Robert Lindsay, President

Total Sales FYE 4/83: \$700,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Advanced Systems Applications PO Box 385

Bloomington, 1L 60108 (312)893-9055 John W Blaney, President

Private Cptr. Svcs. Revs. FYE 12/82: \$11,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

### Advanced Systems, Inc.

2340 S. Arlington Heights Rd. Arlington Heights, 1L 60005 (312)981-4260 William R. Roach, President Total Sales FYE 10/82: \$31,813,000 Cptr. Svcs. Revs. FYE 10/82: \$21,090,000 Computer Services Offered: • Professional Services

Advanced Technology Systems Inc. (Adtec)

#### Advcom

See: Intelligent Computer Systems Inc.

# Advent Online Knowledge, Inc 1305 Wiley Rd, Ste 133

See: Maryland Casualty Co.

Schamburg, 1L 60195 (312)882-3388 Computer Services Offered: • Software Products

#### Adventures in Computing, Inc.

PO Box 8890 Fountain Valley, CA 92708 (714)963-4722 Daniel Hancock, President Private

### Advertising Distributors of America

720 Stewart Ave. Garden City, NY 11530 (516) 222-2440 Roy Harris, President Private

Advertising Inquiry Network, Inc 10555 W Lunt Ave Rosemont, IL 60018 (312)299-0151 Computer Services Offered: • Processing

ADVO Systems Inc. 239 W. Service Road Hartford, CT 06101 (203) 525-9101 John A. Valentine, President Private Total Sales FYE 12/82: \$62,000,000 Est.

### Adwest Corporation

123 N Wacher Drive Chicago, 1L 60606 (312) 782-1836 Charles Porter, President Total Sales FYE 9/83: \$450,000 Est. Computer Services Offered: • Professional Services

#### Aeronautical Research Associates of Princeton (ARAP)

#### DIVISIONS:

#### Advanced Data Management

17-15 Main St. Princeton, NJ 08528 (609)452-2950 K. Evan Gray, President Private Total Sales FYE 10/81: \$1,800,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Aeronca, Inc

#### DIVISIONS:

### Microcomputer Software

4530 Park Road,Ste 348 Charlotte, NC 28209 (704)525-9881 Joseph Miller, Chief Executive Officer Computer Services Offered: • Software Products

### Aetna Life & Casualty

#### SUBSIDIARIES:

## Geosource Inc.

2700 South Post Oak Suite 2000 Houston, TX 77056 (713) 961-1111 John D. Platt, President Total Sales FYE 9/82; \$682,900,000 Est. Cptr. Svcs. Revs. FYE 9/82: \$96,600,000 Est. Computer Services Offered: • Processing

#### Affiliated Computer Systems

See: Mercantile Texas Corporation

#### Affiliated Concepts, Inc.

228 West Carrillo St. Suite A Santa Barbara, CA 93101 (805) 962-8489 Dominic Camardella, President Private Total Sales FYE 7/83; \$700,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Directory of Computer Services Companies

### Ag-Data Inc.

P.O. Box 672 Walla Walla, WA 99362 (509) 525-2580 W. F. Corkrum, President

Total Sales FYE 4/83: \$250,000 Computer Services Offered: • Processing • Software Products

## Agababian Associates

#### SUBSIDIARIES:

## University Software Systems

250 North Nash Street El Segundo, CA 90245 (213) 772-0681 Robert Ewing, President

### AGAPE Enterprises

2818 Palmer Hwy Texas City, TX 77590 (713)948-3461 James M. Orr, Partner Private

#### AgriData Systems, Inc.

8989 Westheimer, Ste 100 Houston, TX 77063 (713)784-8759 Computer Services Offered: . Software Products

### Agro Systems Corporation

Lubbock, TX 79464 (806) 792-4346 Alan Lash, President Private Total Sales FYE 11/82; \$750,000 Est. Computer Services Offered: . Software Products . Professional Services

P.O. Box 64539

Aims Plus, Inc. 5000 E Ben White Blvd, Ste 200 Austin, TX 78741 (512)385-0702 Tim VeArd, Vice President Private

### **AKRA Data Corporation**

New York, NY 10036

Professional Services

See: Progressive Farmer Corporation

#### Alexander & Alexander, Inc. 1211 Avenue of the Americas

(212) 840-8500 Tinsley H. Irwin, President Public Total Sales FYE 12/82: \$573,254,000 Cptr. Svcs. Revs. FYE 12/82: \$10,000,000 Est. Computer Services Offered: . Software Products .

#### SUBSIDIARIES

Benefacts Inc. Hampton Plaza, 300 E Joppa Rd. Baltimore, MD 21204 (301) 296-5500 Robert Baker, Managing Vice President Computer Services Offered: • Processing

### Allen Services Corporation

See: CGA Computer Associates Inc.

## Allied Computer Services Inc.

170 Mt. Airy Rd. Basking Ridge, NJ 07920 (201)766-5454 A.C. DeTorres, President

### Allied Corporation

#### SUBSIDIARIES:

# Allied Information Systems Company 35 Nutmeg Dr Trumbull Industrial Park Trumbull, CT 06609

(203)377-4141 Robert L. Cole, President Cptr. Svcs. Revs. FYE 12/82: \$54,000,000 Est. Computer Services Offered: . Processing

Allied Data 1720 Steater-Kinney SE P.O. Box 2406 Olympia, WA 98507 (206) 456-3535 Robert Lovely, General Manager Private Total Sales FYE 6/82: \$2,917,000 Computer Services Offered: 

Processing Professional Services Turnkey Systems

### Allied Financial Services, Inc. See: Automatic Data Processing Inc.

#### Allied Information Systems Company See: Allied Corporation

### Allinson-Ross Corporation

155 Rexdale Blvd., Suite 906 Rexdale, ON M9W52 (416) 746-3388 A.R. Allinson, President Private

## Alltrans International Group Inc. See: Thomas National Transport of Australia

Allyn, Calvin P. & Associates 50 Congress Street Boston, MA 02109 (617) 723-7340

## Alpha Beta Data Services, Inc. 8640 West 3rd Street Los Angeles, CA 90048 (213) 271-1911

Mildred Kramer, President Private Total Sales FYE 12/82: \$2,550,000 Est. Computer Services Offered: 

Processing

### Alpha Data Services Inc.

9221 Southwest Barber Suite 105 Portland, OR 97219 (503) 245-7551

Gerald W. McReynolds. President

Cptr. Svcs. Revs. FYE 9/83: \$1,200,000 Est.

Computer Services Offered: 

Processing 

Software Products • Professional Services

#### Alpha Data Systems Inc.

13615 Inwood Rd Dallas, TX 75234 (214)233-7062

### Alpha Microsystems

17881 Skypark North Irvine, CA 92714 (714)957-1404 Robert Hitchcock, President

Total Sales FYE 2/82: \$21,000,000 Computer Services Offered: • Turnkey Systems

#### Alpha Software

12 North England Executive Par Burlington, MA 01803 (617) 229-2924 Richard Rabin, President

Computer Services Offered: • Software Products

## Alpha Systems, Inc. 1283 Old Worcester Rd Framingham, MA 01701 (617) 620-0983

Murray J. Daniels, President Total Sales FYE 5/82: \$280,000 Est. Computer Services Offered: • Software Products •

## Professional Services Alphatext, Inc.

577 E. Larnad Suite 230 Detroit, M1 48226 (313) 964-4260 Computer Services Offered: • Processing

# Alpine Data Systems See: Hanover Information Systems

#### AM Computer Services Corp. Acquired/merged with: Burroughs Corporation

Ambridge International, Inc. P.O. Box 1191 Santa Monica, CA 90406 (213) 459-3274 Computer Services Offered: • Software Products •

### Amcom Data Processing, Inc.

Professional Services

464 McCormick St San Leandro, CA 94577 (415)638-1212 Steve McClarey, President Private

Total Sales FYE 6/82: \$1,100,000 Computer Services Offered: • Processing • Turnkey Systems

#### Amcor Computer Corporation See: American Express Company

Amdax Corporation 160 Wilbur Place Bohemia, NY 11716 (516) 567-7887

#### Amdex Corporation

Merged with: Ungermannn-Bass

## America Resource Consultants, Inc

9821 Katy Freeway,Ste 1222 Houston, TX 77024 (713)467-3121 Lawrence C. Wood, President Computer Services Offered: . Processing

#### American Agency Data Systems 915 N. Courtenay Parkway

Merritt Island, FL 32952 (800) 327-2742 John W. Erb. President Private

### American Automated

303 N.Boulvevard DeLand, FL 32720 (903)738-0400 Drew F. Burton, President Private

### American Bankers Association

DIVISIONS:

#### **BankWire**

225 Broadway New York, NY 10007 (212)619-0440 Robert L. Kempser, President Computer Services Offered: • Processing

### American Brand, Inc.

SUBSIDIARIES:

### American Franklin Company Corporation

No. 1 Franklin Square Springfield, 1L 62713 (217) 528-2011 William J. Alley, President Total Sales FYE 12/81: \$1,100,000 Computer Services Offered: . Processing . Software

#### American Business Systems Inc.

439 Littleton Road Westford, MA 01886 (617) 485-3509

American Chemical Society

## Directory of Computer Services Companies

#### DIVISIONS:

# Chemical Abstracts Services (CAS)

Columbus, OH 43210 (614)421-6940 Dale Baker, Director

Computer Services Offered: • Processing

American Computer Center Inc. 8510 NW 56th Miami, FL 33166 (305) 592-7050 Henry W. Meyer, President

### American Computer Group, Inc.

#### DIVISIONS:

#### American Used Software Co.

P.O. Box 68 Kenmore Station Boston, MA 02215 (617)437-1100 William Grinker, Controller

### American Computer Services, Inc.

200 North Michigan Avenue Chicago, IL 60601 (312) 372-8130 Jeff Wecker, President Private

### American Computer Technology, Inc.

#### SUBSIDIARIES:

#### Business Data Services, Inc.

1821 Summit Rd Cincinnati, OH 45237 (513) 948-8607 Robert D. Mattlin, President

#### American Data Services, Inc. See: Orbanco, Inc.

### American Dynamic Systems & Services

4000 MacArthur Blvd.Ste 760 Newport Beach, CA 92660 (714)833-1487 Martin C Glassman, President Private

Total Sales FYE 12/81: \$600,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### American Educational Computer Inc. See: Economy Company, The

### American Express Company

### SUBSIDIARIES:

#### Fireman's Fund Insurance Co.

1600 Los Gamos San Rafael, CA 94911 (415) 485-6746

#### SUBSIDIARIES:

#### ARC Automation Group Inc.

P O Box 1009 Bryan, TX 77801 (800)241-3930 Robert Bower, Jr., President Cptr. Svcs. Revs. FYE 12/82: \$48,000,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### ARC Automation Services Inc.

8505 Freeport Parkway P.O. Box 169063 Irving, TX 75063 (404)393-0750 Bruce Isbell, President Computer Services Offered: • Processing • Turnkey Systems

### Amcor Computer Corporation

1900 Plantside Dr. Louisville, KY 40299 (502) 491-9820 Tom Aubrey, President

#### Fields Financial Services Inc

104 South Texas Ave Bryan, TX 77801 (713)779-2454 Computer Services Offered: • Processing

#### Funeral Home Management Systems, Inc. Bryan, TX 77801

(713)693-6122

### Transaction Control Industries

P.O. Box 1009 Bryan, TX 77801 (713)696-6122 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### First Data Resources, Inc. 7301 Pacific Street

Omaha, NE 68114 (402) 399-3950 Bob Masterson, President Cptr. Svcs. Revs. FYE 12/82; \$75,000,000 Est. Computer Services Offered: 

Processing

## Payment Systems Inc.

100 Peachtree St., NW Suite 2640 Atlanta, GA 30303 (404) 525-1386 Dale Reistad, President

#### American Franklin Company Corporation See: American Brand, Inc.

### American Hospital Supply Corp.

One American Plaza Evanston, IL 60201 (312) 866-4000

Harold G. Bernthal, President

#### American Information

Halsted at 17th St. Chicago Heights, IL 60411 (312) 755-3770 Roger A. Sampson, President Private

Total Sales FYE 12/82: \$1,800,000 Est.

Cptr. Svcs. Revs. FYE 12/82: \$1,800,000 Est.

Computer Services Offered: • Processing • Professional Services

#### American Information Systems

15 Walnut Street PO Box 367
Wellsboro, PA 16901
(717)724-158
Clint Kreitner, President
Total Sales FYE 6/82: \$200,000
Computer Services Offered: • Professional Services •
Turnkey System

### American Integrity System Inc. 1415 East McFadden Ave. Suite A

1415 East McFadden Ave. Suite A Santa Ana, CA 92705 (718) 973-4756 Kim Irvine, Chief Executive Total Sales FYE 7/83: \$500,000 Est. Computer Services Offered: • Software Products

#### American Keypunch & Systems 675 Massachusetts Ave.

Cambridge, MA 02139

(617) 492-0600 Leonard Phillips, President Private Total Sales FYE 12/82: \$200,000 Est. Computer Services Offered: • Processing • Professional Services

## American Management Systems

Arlington, VA 22209
(703) 841-6000
Charles O. Rossotti, President
Public
Total Sales FYE 12/82: 569.642,000
Cptr. Sves. Revs. FYE 12/82: 563,141,000
Computer Services Offered: • Processing • Software
Products • Professional Services

#### SUBSIDIARIES:

1777 N Kent St

#### Executive Systems, Inc.

4833 Rugby Ave Bethesda, MD 20014 (301)656-1001 Donald C. Weymer, President Computer Services Offered: • Processing

#### American Medical International Inc.

#### SUBSIDIARIES:

#### Professional Hospital Services

12960 Coral Tree Place Los Angeles, CA 90066 (213) 821-2323 Revell B. Lamprecht, President

#### DIVISIONS:

### Friesen International, Inc.

6833 Beverly Road McLean, VA 22101 (202) 424-1150 M. Keith Weikel, Ph. D., President Total Sales FYE 7/81: \$1,300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### American Microcomputer Systems and

Services, Inc.
Name changed to: American Microdynamics

### American Microdynamics and Services,

Inc. 15910 Ventura Blvd., No. 1400 Encino, CA 91436 (213) 788-6916 Bruce Dean, Vice President

### American Service Associates

1965 New Hope St. Norristown, PA 19401 (215) 275-3724 Mar Van Brakel, President Private

#### American Software Corporation

187 East Blithedale, Mill Valley, CA 94941 (415) 381-1600 Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: • Software Products

## American Software, Inc.

443 E. Paces Ferry Road, N.E. Atlanta, GA 30305 (404) 261-481 James Edenfield, President Public Total Sales FYE 4/83: \$16,090,000 Computer Services Offered. • Processing • Software

### American Trucking Association Inc.

#### SUBSIDIARIES:

ATA Services, Inc. 1616 P St. NW Washington, DC 20036 (202) 797-5373

(202) 797-5373 Ron Knott, Director of Data Processing Private

## American Used Software Co. See: American Computer Group, Inc.

## American Valuation Consultants Inc. See: Valuation Research Corporation

### American Viking Enterprises Inc.

PO Box 1232 Lynnwood, WA 98036 (206)771-4794 Computer Services Offered: • Software Products

## Directory of Computer Services Companies

#### AmeriTrust Company

See: Ameritrust Corporation

### AmeriTrust Corporation

900 Euclid Ave Cleveland, OH 44101 (216)687-5000 Jerry Jarrett, President

#### SUBSIDIARIES:

### AmeriTrust Company

900 Euclid Avenue Cleveland, OH 44101 (216) 687-5000

Cptr. Svcs. Revs. FYE 12/82: \$2,000,000 Est. Computer Services Offered: • Processing

#### DIVISIONS:

### PM Computer Services Co.

630 30th Street N.W. Canton, OH 44709 (216) 489-1888 Howard Haidet, President Total Sales FYE 12/81; \$3,000,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Amherst Associates

20 N. Clark St. Chicago, II. 60602 (312)346-0900 M. King Deets, Ph.D., President

Total Sales FYE 12/82; \$28,000,000 Est. Cptr. Svcs. Revs. FYE 12/82: \$15,700,000 Est. Computer Services Offered: . Processing

#### Ampersand Corporation

128 S. George Street P.O. Box M-84 York PA 17405 (717)845-5603 Dale R. Smith, Jr., President Total Sales FYE 12/81; \$410,000 Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Amtab Data

See: Natek Corporation

#### Anacomp Business Systems, Inc. See: Anacomp, Inc.

See: Anacomp, Inc.

## Anacomp Computer Management, Inc.

Anacomp, Inc. 11550 N Meridian St., Ste.600 PO Box 40888 Indianapolis, IN 46032

(317)844-9666 Ronald D. Palamara, Chairman and President

Total Sales FYE 6/83: \$172,184,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

#### Access Data Systems, Inc.

3611 Black Canyon, N. Phoenix, AZ 85015 (602)264-2430

### Anacomp Business Systems, Inc.

100 Oceangate, Ste. 720 Long Beach, CA 90802 (213)435-7041

## Anacomp Computer Management, Inc.

1621 Euclid Avenue 1100 Keith Building Cleveland, OH 44114 (216) 579-0080 David D. Ludwig, President

**ERCO** 

1600 S. Brown Street Dayton, OH 45409 (513) 228-8051 Jack Sowder, President

Escom, Inc. 12838 S.E. 40th Place Bellevue, WA 98006 (206) 641-4990 John Craig, General Manager Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Kranzley & Co., Inc. 1010 South Kings Highway Cherry Hill, NJ 08034 (609) 795-1515 Arthur S. Kranzley, President

### Sci-Tek Associates, Inc. 11550 Meridian St., N., Ste 60 Carmel, 1N 46032 (317)844-9666

Ronald Palamara, President

#### Analex Computing, Inc. 222 Richmond Rd Bedford Heights, OH 44146

(216) 464-5013 Hubbard Little, President

#### Analysis & Computer Systems Inc. 54 Middlesex Turnpike

Bedford, MA 01730 (617) 275-5800 William Delaney, President Private

Total Sales FYE 7/83: \$5,000,000 Est. Computer Services Offered: • Software Products

### Analysis and Programming Corporation

180 W. Putnam Greenwich, CT 06830 (203) 661-4146 Walter B. Nelson, President

Private
Total Sales FYE 6/82: \$10,000,000 Est.
Computer Services Offered: • Processing

Analysis and Technology, Inc Route 2, Technology Park PO Box 220

Route 2, Technology Park PO Box 2 North Stonington, CT 06359 (203) 599-3910 A. Theodore Mollegen, President Private

Private
Total Sales FYE 3/82: \$1,500,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

### Analysts International Corporation

7615 Metro Blvd. Minneapolis, MN 55435 (612) 835-2330 Frederick W. Lang, President Public Total Sales FYE 6/83: \$23,780,000

Computer Services Offered: • Software Products • Professional Services

#### Analytics Inc. 2500 Maryland Road

Willow Grove, PA 19090 (215) 657-4100 Steve Liebholz, President Private Total Sales FYE 12/82: \$15,000,000 Computer Services Offered: • Software Products • Professional Services • Turnky Systems

### Andover Data Services, Inc.

145 E. 32nd Street New York, NY 10016 (212) 685-1321

### Anstat Business Services

1120 Avenue of the Americas New York, NY 10036 (212) 840-6868 Leon Weisburgh, President Public Total Sales FYE 9/82: \$3,624,660 Computer Services Offered: • Processing

#### Antech

788 Myrtle St.
Roswell, GA 30075
(404) 993-7270
A.K. Nagrani, Owner
Private
Total Sales FVE 12/81: \$250,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Anthusion Inc.

589 Grand Blvd. Venice, CA 90291 (213) 392-1343 Will MeWhinney, President Private Apex Data Processing Inc.

950 South Eastern Ave. Los Angeles, CA 90022 (213) 264-3600 Les Warner, President

Private
Total Sales FYE 12/82: \$2,100,000 Est.
Computer Services Offered: • Processing • Software
Products

#### Apex Data Systems

6464 East Grant Road Tueson, AZ 85715 (602) 298-1991 Dwight Babbeoek, President rivate

Total Sales FYE 7/83: \$2,200,000

Computer Services Offered: • Software Products

## Apparel Management Systems

Apple Computer
2025 Martani Ave
Cupertino, CA 95014
(408)896-1010
A. C. Markkula Jr., President
Public
Tool, FYE 9/82: \$883,061,000
Tool, Sves. Revs. EYE 9/82: \$67,500,000 Est.
Computer Sevices Offered: Software Products

### Application Development System Inc.

1530 Meridian Ave.
San Jose, CA 9512.5
(408) 264-2272
William D. Long, Chairman
Private
Total Sales FYE 12/82: \$7,500,000
Computer Services Offered: • Software Products

## Application Systems International

1006 Burning Tree Houston, TX 77339 (713) 358-9099 Ed Martin, President

#### Applications Data Enterprises

1309 East Carson Street Carson, CA 90746 (213) 775-4116 Norman Bohana, President

### Applications Programming Co.

11 West 2nd Moorestown, NJ 08057 (609) 234-0099 Charles Bouman, President

### Applications Software Inc.

21515 Hawthorne Blvd.
Torranec, CA 90503
(213) 540-0111
Donald Sundeen, President
Private
Total Sales EVE 6/81: \$1,800,000

Total Sales FYE 6/81: \$1,800,000
Computer Services Offered: • Software Products

Applicon Inc.

## Directory of Computer Services Companies

Applied Business Systems 3303 Harbor Blvd, Blvd B-6 Costa Mesa, CA 92626

(714)549-9309 John W. Rhinesmith Jr., President Total Sales FYE 7/82: \$1,000,000 Est.

Computer Services Offered: . Software Products . Turnkey

### Applied Business Systems, Inc.

400 Embassy Square Louisville, KY 40299 (502) 491-1050

W.K. Salmon, President Private

Total Sales FYE 12/81: \$977,000 Computer Services Offered: . Processing

#### Applied Business Systems, Inc.

21 Emperia, S Wichita, KS 67211 (316) 262-6118

Randall Johnson, President Private

Total Sales FYE 6/81; \$150,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### Applied Business Technologies Inc.

3712 Garret Rd. Drexel Hill, PA 19026

(215)259-7676

David K. Moldoff, President

Total Sales FYE 12/81: \$400,000

Computer Services Offered: • Software Products • Turnkey Systems

#### Applied Color Systems, Inc. P.O. Box 5800

Princeton, NJ 08540 (609)924-2189

### Applied Communications Inc.

206 108th Ave. S. Omaha, NE 68154 (402)330-3732

James Cody, President

Total Sales FYE 9/82: \$9,200,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Applied Computer Associates

966 Hungerford Dr Rockville, MD 20850

(301)424-4112 Computer Services Offered: • Processing

#### Applied Computer Enterprises, Inc. See: Bush, Lloyd and Associates

## Applied Computer Services Inc. 7350 W. College Dr.

Palos Heights, 1L 60463 (312) 448-0837 Peter Wilzak, President

Private

#### Applied Computer Technology Application Software Division

60 South Turnpike Rd Wallingford, CT 06492

(203) 776-7743 Walter H. Chudleigh, Managing Partner

#### Applied Computing Devices

1318 Ohio St Terre Haute, IN 47807 (812)232-6051

W. D. Shindell, President Private

Computer Services Offered: • Turnkey Systems

### Applied Computing Technologies Inc.

PO Box 765 Murray, KY 42071 (502) 759-4779

William Hodge, President Private

Computer Services Offered: • Software Products • Professional Services

### Applied Cybernetics Inc.

224 Camino del Cerro Los Gatos, CA 95030 (408)356-7296 John E. Hume, President

### Applied Data Corporation

DIVISIONS:

FMG Corporation P.O. Box 16020

Fort Worth, TX 76133 (817) 294-2510

#### Applied Data Processing, Inc. Name changed to: Applied Data, Inc.

## Applied Data Research, Inc.

Route 206 and Orchard Rd, CN-8 Princeton, NJ 08540 (201)874-9000

John R. Bennett, President

Public

Total Sales FYE 12/82: \$68,390,000 Cptr. Svcs. Revs. FYE 12/82: \$65,349,000 Computer Services Offered: • Software Products • Professional Services

### SUBSIDIARIES:

### ADR International Corp.

Route 206 Center, CN-8 Princeton, NJ 08540 (609) 921-8550 Patrick R. Capone, President

#### ADR Services, Inc. 800 Follin Lane Vienna, VA 22180

(703) 281-2000 Walter M. Cox, President

# Massachusetts Computer Associates, Inc. (COMPASS)

26 Princess Ave. Wakefield, MA 01880

(617) 245-9540 David B. Loveman, 111, President

#### DIVISIONS:

ADR Datacom Division

8515 Greenville Ave., Ste. S 1 Suite 310 Dallas, TX 75243 (214)349-1101 Kenneth A. Parker, President

#### Applied Data Services

1550 Flower St Glendale, CA 91201 (213)956-1646 Dave Coriaty, President

#### Applied Data Systems, Inc. 8233 Via Pasco Del Norte Building C Scottsdale, AZ 85258

(602)998-3980 Hans Arger, President Private Total Sales FYE 6/82: \$2,100,000 Computer Services Offered: • Software Products • Turnkey

## Applied Data, Inc. (ADI)

Systems

33) Bernarar Noad North Haven, CT 06473 (203) 787-4107 Dilip M. Advani, President Public Total Sales FYE 12/82: \$2,753,006 Computer Services Offered: • Processing • Turnkey Systems

## Applied Decision Systems 33 Hayden Ave

33 Hayden Ave Lexington, MA 02173 (617)861-7580 Carl Sloane, President

## Applied Design Company Inc. See: Addoon

Applied Digital Data Systems, Inc. 100 Marcus Blvd.

Hauppauge, NY 11787 (516) 231-5400

### Applied Dynamics Inc.

3035 Directors Row, Suite 1310 Memphis, TN 38131 (901) 345-3211 E.G. Lawrence, President Private

### Applied Financial Systems

See: SIS Company Company

# Applied Information Development (AID), Inc.

\$2.3 Commerce Drive
Oak Brock, 11. 60521
(312) 654-3030
Lee Munder, President
Total Sales FYE 12/82: 514,400,000 Est.
Computer Services Offered: • Software Products •
Professional Services

### Applied Information Dynamics, Inc

111 Mandala Ct Walnut Creek, CA 94596 (415)934-2504 Dennis Sorensen, President Computer Services Offered: • Software Products

### Applied Information Management Inc.

675 E. Irving Park Roselle, 1L 60172 (312) 980-9610 Frank Braje, President

### Applied Information Systems, Inc. (AIS)

500 Eastowne Drive
Chapel Hill, NC 27514
(919) 942-7801
Arthur W. Coston, President
Private
Total Sales FYE 12/82: \$500,000 Est.
Computer Services Offered: • Software Products

#### Applied Management Sciences 962 Wayne Ave

Silver Springs, MD 20910 (301) 585-8181 Todd Tucker, President Private Total Sales FYE 9/82: \$9,200,000 Est. Computer Services Offered: • Professional Services

### Applied Management Systems Inc.

S821 Park Rd. Suite 204 Charlotte, NC 28209 (704) 554-8720 Stanford R. Brookshire Jr., President Private Total Sales FYE 2/83: \$3,000,000 Computer Services Offered: • Professional Services

# Applied Microcomputer Systems

Silver Lake NH 03875 (603)367-8004 Peter Smart, President Private Computer Services Offered: • Software Products • Professional Services

### Applied Research Inc. 6151 W. Century Blvd, Ste 216

Los Angeles, Ca 90045
(213) 670-0811
Harold D. Bradley, President
Private
Total Sales FYE 12/82: \$11,500,000
Computer Services Offered: • Software Products •

Professional Services

### Applied Software Inc.

440 P.G.A. Blvd., Suite 204 Palm Beach Gardens, FL 33410 (305) 626-4818 Walter Josephson, President

### Applied Software Technology

14125 Capri Dr Los Gatos, CA 95030 (408)370-2662 Computer Services Offered: • Software Products

Applied Systems Associates 2681 Mosside Blvd. 212 Community Plaza E. Monroeville, PA 15146 (412) 373-2780 James S. Leib, President

#### Applied Systems Corporation

26401 Harper St. Clair Shores, MI 48081 (313) 779-8700 Marty Wyrod, President Private

#### Apro Systems, Inc.

1400 Broadway New York, NY 10018 (212)212-6800 Computer Services Offered: • Software Products

### Aptech Computer Systems, Inc.

138 Delta Dr Pittsburgh, PA 15238 (412)782-5550

### Aquas Inc.

7768 Woodmont Ave Bethlehem, MD 20014 (301)654-4000 Computer Services Offered: • Processing

### Arbat Systems, Ltd.

Acquired by/merged with: Control Data Corporation

#### Arbitron

See: Control Data Corporation

#### Archives Incorporated

404 West 35th St Davenport, IA 52806 (319) 386-7401 Private

Total Sales FYE 7/82: \$2,500,000 Est. Computer Services Offered: . Turnkey Systems

#### Arcola Software

Main Street Arcola, IL 61910 (217) 268-3011 Patrick H. Monahan, President Private

#### Area Computer Services, Inc.

7890 Ulmerton Road Largo, FL 33540 (813)535-9801 Ted Schommer, President Total Sales FYE 2/82: \$650,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Aregon Group Ltd 1911 Wright Circle Anaheim, CA 92806

(714)634-9012 Michael Strong, President Computer Services Offered: • Processing • Software

SUBSIDIARIES:

### Aregon Group, Inc.

Products . Professional Services

1911 Wright Circle Anaheim, CA 92806 (714)634-9012 Michael Strong, President Total Sales FYE 12/82: \$7,169,000 Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

### Global Data Corporation/DFA

1968 Concourse Drive San Jose, CA 95131 (408)263-4033 Dan Foss, Executive Vice President Total Sales FYE 12/81: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Global Data Corporation, Inc.

1904 Wright Cir. Anaheim, CA 92806 (714) 634-1401 Robert W. Carlisle, President Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Global Data Midwest Corp 16615 South Halstead

Harvey, IL 60426 (312) 596-6800 John R Listina, Executive VP Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Global Data/CSD 1911 Wright Circle

Anaheim, CA 92806 (714) 634-9012 Chris Harrocks, Exec Vice President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Aregon Group, Inc. See: Aregon Group Ltd

### Argo Data Resources Group

4851 Keller Spring Rd, Ste 123 Dallas, TX 75248

(214)380-0050 Max Martin, President Private

Total Sales FYE 9/82; \$1,000,000 Computer Services Offered: • Software Products

#### Argonaut Information Systems Inc.

383 Grand Ave. Suite 6 Oakland, CA 94610 (415) 444-5954 Luanne James, President

Total Sales FYE 11/82; \$2,100,000 Computer Services Offered: • Software Products

#### SUBSIDIARIES:

#### Argonaut Information Systems of Kansas

4210 Johnson Dr. Fairway, KS 66205 (913)262-8271

Computer Services Offered: • Turnkey Systems

#### Argonaut Information Systems of Kansas See: Argonaut Information Systems Inc

Argos

200 Madison Ave New York, NY 10016 (212)684-4640 Aric Rosenback, President

Total Sales FYE 6/81; \$1,125,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Argus Engineering Inc.

Box 225 Elmhurst, IL 60126 (312) 528-7433 Robert Gustafson, President

### Aries Information Systems, Inc.

7400 Metro Blvd. Suite 370 Minneapolis, MN 55435 (612) 835-2366

#### Arinco Computer Systems Inc.

510 Jose Street Santa Fe, NM 87501 (505) 988-9743 Private

### Arizona Computer Services Inc.

4450 Central Ave, N. Phoenix, AZ 85012 (602)263-8958

#### Arkansas Best Corporation

#### SUBSIDIARIES:

#### **Data-Tronics Corporation**

310 Towson Avenue Fort Smith, AR 72901 (501) 785-6331

Jerry Yarbrough, President Total Sales FYE 12/81; \$2,000,000 Est. Computer Services Offered: • Processing

Arkansas Systems Inc. 8901 Kanis Rd, Suite 206 Little Rock, AR 72205 (501) 227-8471 James K. Hendren, President Private

Arkay Computer Inc. 24 Manor House Rd. Newton Centre, MA 02159 (617) 964-1894 Robert Kahn, President

## Arlington Software 400 Massachusetts Avenue

Arlington, MA 02174 (617) 641-0290 Peter Brajer, President Private

Computer Services Offered: • Software Products • Professional Services

#### Arms Inc. See: NSA, Inc.

## Arrays, Inc.

### DIVISIONS:

### Continental Software

11223 S Hindry Ave Los Angeles, CA 90045 (213) 410-3977 Jim Sadlier, President Total Sales FYE 11/82: \$4,500,000

Computer Services Offered: • Software Products

### Arrigoni Computer Graphics

170 Knowles Drive Los Gatos, CA 95030 (408) 370-1400

### Arthur Andersen & Co.

69 West Washington St. Chicago, IL 60602 Chicago, It. 50002 (312) 346-6262 Total Sales FYE 8/82: \$1,124,000,000 Cptr. Sves. Revs. FYE 8/82: \$295,000,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Arthur Young & Co.

277 Park Avenue New York, NY 10017 (212)922-3132 Private Total Sales FYE 7/82: \$478,000,000 Est. Cptr. Svcs. Revs. FYE 7/82: \$38,000,000 Est. Computer Services Offered: • Professional Services

## Directory of Computer Services Companies

### Articulate Publications

402 North Larchmont Blvd Los Angeles, CA 90004 (213) 871-1350

John Stuppy, President Private

Total Sales FYE 12/82: \$500,000 Est. Computer Services Offered: . Software Products

### Artificial Intelligence Corporation

100 Fifth Ave Waltham, MA 02254 (617)890-8400 Larry Harris, President

Private

Total Sales FYE 3/83: \$3,000,000 Est. Computer Services Offered: • Software Products

#### Artronic Information Systems Inc.

P O Box 35A Tarrytown, NY 10591 Arthur A. Katz, President Private

Artsci, Inc. 5547 Satsuma Avenue North Hollywood, CA 91601 (213) 985-5763 William Smith, President Private Total Sales FYE 7/83: \$1,000,000 Computer Services Offered: . Software Products

#### Arvin Industries, Inc.

#### SUBSIDIARIES:

## Calspan Corporation Advanced Technology

Center 4455 Genesee St PO Box 400 Buffalo, NY 14225 (716)632-7500 Orie Fritts, President Total Sales FYE 12/81: \$80,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$11,500,000 Est. Computer Services Offered: • Professional Services

#### Ash Data Services

623 S. Wabash 5th Fl. Chicago, 1L 60609 (312) 663-3550 Richard Ash, President

#### Ashland Oil Inc.

#### SUBSIDIARIES:

#### Datacare Inc.

2602 Franklin Rd. SW Roanoke, VA 24014 (703) 981-9200 Edward W. Warsaw, President

Computer Services Offered: • Software Products • Turnkey

### Ashton-Tate

10150 W. Jefferson Blvd. Culver City, CA 90230 (213) 204-5570 David Cole, President Public

22150 Greenfield Rd.

Total Sales FYE 1/83; \$10,040,000

Computer Services Offered: • Software Products

Detroit, MI 48237 (313)968-2121 Dennis McDermit, President Total Sales FYE 7/81: \$5,000,000 Est. Computer Services Offered: • Software Products • Professional Services

#### ASK Computer Systems, Inc. 730 Distel Drive

Los Altos, CA 94022 (415) 969-4442 Sandra Kurtzig, President Public Total Sales FYE 6/83: \$39,388,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### SUBSIDIARIES:

#### ASK Micro, Inc.

6341 Auburn Blvd Citrus Heights, CA 95610 (916)722-8000 Ronnie Green, President Total Sales FYE 6/83: \$3,100,000 Computer Services Offered: • Software Products

### ASK Micro, Inc.

See: ASK Computer Systems, Inc.

#### Aspen Computer Services

P.O. Box 10550 Aspen, CO 81611 (303) 925-5544 Donald Voltmer, President Private

#### Aspen Systems Corporation

See: Informatic en Communicatic Unic of The Netherlands

#### Asset Data Systems Inc.

See: North American National Corporation

#### Associated Computer Consultants

228 East Cota Street Santa Barbara, CA 93101 (805) 963-8801 Roland Bryan, President

Private

- 18 --

## Associated Computer Management

Specialists, Inc (ACMSI) 30785 Grand River Avenue Farmington Hills, M1 48018 (313)474-8686

Richard C. Oras, President Private Total Sales FYE 12/82: \$500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Associated Computer Services Inc.

P O Box 23097 Portland, OR 97223 (503)620-0440

Computer Services Offered: • Processing

Associated Credit Services

See: Computer Sciences Corporation

Associated Press 50 Rockefeller Plaza New York, NY 10020 (212)621-1732

Private Cptr. Svcs. Revs. FYE 12/82: \$16,000,000 Computer Services Offered: • Processing

Associated Resources

1900 Euclid Ave. Cleveland, OH 44115 (216) 771-3151

Association Systems Inc. (ASI) P.O. Box 768 Weehawken, NJ 07087

(201)864-1025

Astradyne Computer Industries, Inc.

1122 Franklin Avenue Garden City, NY 11530 (516) 742-9500 Seymour Eagel, President

Public Total Sales FYE 12/82: \$8,648,000 Est. Cptr. Svcs. Revs. FYE 12/82: \$6,700,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Atlanta Data Processing Service .6065 Barfield Rd. Suite 118

Atlanta, GA 30328 (404) 252-9481 Ray Espinosa, President

Computer Services Offered: • Turnkey Systems

Atlantic Computing Corporation 1447 Peachtree St. NE Atlanta, GA 30309 (404) 892-1895

Atlantic Management Systems

Merged with International Systems, Inc. to Form: AGS

Management Inc.

Auditek Inc. 875 Avenue of the Americas New York, NY 10001 (212) 564-3140 Gerald M. Kahn, President Private

Auragen Systems Corporation

2 Executive Drive Fort Lee, NJ 07024 (201) 461-3400 Rick Martin, President

Private Total Sales FYE 12/82: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products

Autex Systems
See: Xerox Corporation

Authorization Systems Inc.

Rockville, MD 20852 (301)770-1625 Computer Services Offered: • Processing • Professional

Auto Tell Services, Inc.

771 E. Lancaster Ave Villanova, PA 19085 (215) 525-9526 Guy E. Warner, President Private

Auto-trol Technology Corporation 12500 Washington St, N P O Box 33815 Denver, CO 80233

(303) 452-4919 Howard B. Hillman, Chairman Total Sales FYE 12/82: \$43,990,000

Computer Services Offered: . Turnkey Systems Autodesk, Inc.

150 Shoreline Highway Building B20 Mill Valley, CA 94941 (415) 331-0356 John Walker, President Private Total Sales FYE 1/84; \$1,200,000 Est. Computer Services Offered: . Software Products

**Automated Bookkeeping Corporation** 

330 W 42nd St, 29th Fl New York, NY 10036 (212) 354-7666

Automated Business Services, Inc.

6525 Belcrest Rd Hyattsville, MD 20782 (301) 277-4141 Theodore Howard, President Private

SUBSIDIARIES:

Effective Software Products

365 Passaic St., W. Rochelle Park, NJ 07662 (201)368-1216 Lawrence Campbell, President

Quality Educational Development

365 Passaic St., W. Rochelle Park, NJ 07662 (201)368-1215 James Durkin, President

## Directory of Computer Services Companies

### Systems Software Technology

365 Passaic St., W. Roehelle Park, NJ 07662 (201)368-1217 John Crowley, President

# Automated Business Systems Merged with: Computer Task Group Inc.

## Automated Computer Services See: Continental Financial Services

## Automated Concepts, Inc.

386 Park Ave. S. New York, NY 10016 (212) 725-4540 Fredrick Harris, President

Total Sales FYE 12/82: \$12,500,000

Computer Services Offered: • Professional Services •

Turnkey Systems

### Automated Data Services, Inc.

617 Sonora Ct Cincinnati, OH 45215 (513) 579-0666 Jay Hilnbrand, President Private

### Automated Design Centers

19401 S Vermont Ave., Bldg B-100 Torrance, CA 90502 (213)327-7744 Computer Services Offered: • Processing

### Automated Financial Systems Inc.

1016 King of Prussia King of Prussia, PA 19406 (215) 337-3200 James Greenwood, President

### Automated Health Systems, Inc.

3800 Woodward Ave. Detroit, MI 48201 (313) 831-7020 Sherwood Clifford, President

#### Automated Information Inc.

6710 Clayton Richmond Heights, MO 63117 (314) 644-4050 Robert Love, President

#### Automated Language Processing Systems (ALPS)

ALPS) 190 West 800 North Provo, UT 84601 (801)375-0090

Computer Services Offered: • Turnkey Systems

### Automated Management Inc.

11181 Harry Hines, Ste 128 Dallas, TX 75229 (214)620-1700

### Automated Medical Billing Inc.

30 South Ocean Ave. Freeport, NY 11520 (516) 378-1135 Michael Kemp, President

Total Sales FYE 2/83: \$600,000 Est.

Computer Services Offered: • Processing • Turnkey
Systems

#### Automated Quill Inc. 3501 South Corona, Suite 5

Englewood, CO 20110 (303) 761-2722 Vincent Lawrence, President Private

#### Automated Resource Management Inc.

6055 Jackson Rd. Ann Arbor, MI 48103 (313) 994-6121 Grant Cook, President Private

#### Automated Resources Group Inc.

120 Pleasant Ave. Upper Saddle River, NJ 07458 (201) 825-8100 Tom Amoriello, President Private

#### Automated Science Group, Inc. 700 Roeder Rd

Silver Spring, MD 20910 (301)\$87-8730 Clarence Braddock, President Private Total Sales FYE 3/81: \$3,800,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Automated Systems 888 N. Sepulveda Blvd El Segundo, CA 90245

El Segundo, CA 90245 (213) 322-1727

## Automated Systems Design Corporation See: Informatics General Corp

#### Automated Systems Consultants 108020 W 64th.St,Suite 103B

Shawnee, KS 66203 (913)268-8600 Lee Holt, President Private Total Sales FYE 9/82: \$2,000,000 Computer Services Offered: • Professional Services

#### Automated Systems, Inc. 345 W. Second Street Dayton, OH 45402 (513) 223-9522

(513) 223-9522 Robert C. Zinck, Jr., President

#### Automated Teller Machine Services Group

245 W. Elmwood Dr. Dayton, OH 45459 (614)435-2335

Computer Services Offered: • Software Products

### Automatic Business Centers Inc.

Rt. 73, Linwood Maple Shades, NJ 08502 (609) 779-9200 George Raymond, President

Automatic Data Processing Inc.

One ADP Boulevard Roseland, NJ 07068 (201) 994-5000 Josh S. Weston, President Public

Total Sales FYE 6/83: \$752,825,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

SUBSIDIARIES:

Allied Financial Services, Inc.

307 South Tryon, Suite 500 Charlotte, NC 28282 (704) 377-2000 Donald J. Modenbach, President

First Data Corporation

40 Second Avenu Waltham, MA 02154 (617) 890-6701 Perry Harris, President

Telephone Computing Service, Inc. 1020 John St

Seattle, WA 98109 (206) 682-8482 Howard Phillips, President

DIVISIONS:

ADP Banking Services Division

Seven Century Dr Parsipanny, NJ 07054 (201) 267-8100 Richard Petterson, Group President

ADP Brokerage Services Division

42 Broadway New York, NY 10004 (212) 344-6016 Ric Duques, President

ADP Collision Estimating Services Inc.

2380 W. Winton Hayward, CA 94545 (415) 783-4344 Goren Staglin, President

ADP Commercial Services Division

405 Route 3 Clifton, NJ 07015 (201) 472-1000 William Neal, Group President

ADP Comtrend Division

25 Third St Stanford, CT 06905 (203)357-1611 Art Weinbach, Senior Vice President ADP Dealer Services Division 920 E Algonquin Rd

Schaumbltrg, IL 60194 (312)397-1700 David Torrence, President

ADP Electronic Financial Services Division

200 Broadaeres Dr. Bloomfield, NJ 07003 (201) 338-5858

Richard Patterson, Group President

ADP International 405 Route 3 Clifton, NJ 07015

(201) 365-7300 Arthur Kranseler, Group President

ADP Network Services Division

175 Jackson Plaza Ann Arbor, MI 48106 (313) 769-6800 Kenneth W. Draeger, President

ADP Pension Services Division

22481 Aspen St. P.O. Box A El Toro, CA 92630 (714) 768-9300 Richard Patterson, Group President

ADP Telephone Computing Services

1020 John St. Seattle, WA 98109 (206) 682-8482 Richard Patterson, Group President

ADP Thrift Services Division 3300 Main St Houston, TX 77002 (713) 526-8911 Richard Patterson, Group President

Business Systems Research Inc.

10 Manor Parkway Salem, NH 03079 (603) 898-7000 Eric Levine, President

Automatic Industrial Applications Inc.

Automation Consultants International

18070 Lake Eneino Drive Encino, CA 91316

(213) 344-9270 Alan L. Stewart, Director Private

Automation Consultants

610 Santa Cruz Ave. Menlo Park, CA 94025 (415) 326-4031 Alan Carl, President Private

## Directory of Computer Services Companies

#### Automation Inc. 1904 Farnam Street

Omaha, NE 68102 (402) 342-3346 D.R. Dale, President Private

### Automation Industries, Inc.

DIVISIONS:

### Vitro Computer Services

14000 Georgia Avenue Silver Spring, MD 20910 (301) 871-2833 Wayne Scheaffer, President

### Automation Management Services, Inc.

(AMS)

16535 W. Bluemound Rd. Suite 230 Brookfield, WI 53005 (414) 784-3500 John Knopp, President

Private

# AutoScript, Inc. 11 Mountain Ave Bloomfield, CT 06002

(203)242-2358 John Grise, President Private

## Autumn Software

8340 Greenboro Dr Suite 1018
Mc Lean, VA
(7013)734-9590
Tony Thompson, President
Private
Total Sales FYE 12/81: \$300,000 Est.
Computer Services Offered: • Software Products •
Professional Services

## Auxton Computer Enterprises

200 East Robinson St.
Orlands, Fl. 23801
(305) 425-3300
Cheryl E. Galloway, President
Public
Total Store, Revs. FVE 12/82: \$12,531,559
Total Store, Revs. FVE 12/82: \$11,774,000
Computer Services Officerd. \* Software Products \*
Professional Services

#### AVANT-GARDE Computing, Inc.

2091 Springdale Rd.
Cherry Hill, NJ 08003
(609) 424-9620
Timothy P. Ahlstrom, President
Public
Total Sales FYE 4/83: \$7,209,000
Computer Services Offered: • Processing • Turnkey
Systems

#### Avar and Associates 414 N. Winnebago Drive

Greenwood, MO 64034 (816) 623-3188 Sterling Weaver, President Private

### Avco Computer Services

See: Avco Corporation

### Avco Corporation

1275 King St Greenwich, CT 06830 (203)531-2800 Donald K Tarrar, President

#### SUBSIDIARIES:

### Avco Computer Services

201 Lowell Street
Wilmington, MA 01887
(617) 729-7700
Richard E. Bibaud, Vice President
Total Sales FVE 11/81: \$12,800,000
Computer Services Offered: • Processing • Professional
Services

#### Aviation Information Services Inc.

3333 Quebec St., Suite 8700 Denver, CO 80207 (303)393-0136 Robert D. Lewis, President Private Total Sales FYE 6/82: \$1,500,000

2364 Middle Country Rd.

Centereach, NY 11720

Professional Services

Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Axios Group

(516) 588-5461
David S Kirk, President
Private
Total Sales FYE 9/81: \$1,250,000
Computer Services Offered: • Software Products •

#### Axxess Information Systems, Inc.

200 Central Ave
Mountainside, NJ 07092
(201) 232-7600
Frank Petillo, President
Private
Total Sales FYE 6/81: \$4,500,000
Computer Services Offered: • Turnkey Systems

### Aya Associates Inc. (AAI)

275 Forrest Ave

\_ 22 \_

Paramus, NJ 07666 (201) 967-0770 Edgar H. Aya, President Private

Total Sales FYE 12/82: \$750,000 Cptr. Svcs. Revs. FYE 12/82: \$708,000 Computer Services Offerd: • Processing • Professional Services • Turnkey Systems

### Ayers-Whitmore

55 East 52nd St. 16th Floor New York, NY 10055 (212) 752-3606

Emory D Ayers, Managing Director

Private Total Sales FYE 6/82: \$2,000,000 Est. Cptr. Svcs. Revs. FYE 6/82: \$360,000 Est. Computer Services Offered: • Professional Services

#### Azrex Inc

3 Mountain Road Burlington, MA 01803 (617) 272-8750 David McIlhenny, President

Total Sales FYE 6/83: \$1,500,000 Computer Services Offered: • Software Products

#### Aztec Data Processing Inc.

97-45 Queens Blvd. Forest Hills, NY 11374 (212) 897-2400 Leonard Minowitz, President

## Aztech Corporation

1621 Conneticut Ave. NW Washington, DC 20009 (202) 232-5500 John Rollins, President Private

## B & L Associates, Inc

56 Kearney Road Needham, MA 02194 (617)444-1004 Computer Services Offered: • Software Products

#### B.K. Dynamics

3204 Monroe St PO Box 6012 Rockville, MD 20850 (301)984-7300 Philip G. Bernard, President Private

Total Sales FYE 12/81: \$8,000,000 Est. Computer Services Offered: • Professional Services

### B-H Computer Systems Inc.

See: Tace Resources, Inc.

#### BA Managistics See: Bank of America Corporation

# BBN Computer Corporation See: Bolt Beranck and Newman, Inc.

#### BDM International, Inc. 7915 Jones Branch Dr.

McLcan, VA 22102 (703)821-5000 Earle C. Williams, President Public

Total Sales FYE 12/82: \$118,307,000 Cptr. Svcs. Revs. FYE 12/82: \$25,400,000 Est.
Computer Services Offered: • Professional Services

#### BDR, Inc.

17 East 45th Street New York, NY 10017 (212) 687-0333 Joseph Buonomo, President

### **BGS** Systems

One University Office Park Waltham, MA 02254 (617) 891-0000 Harold Schwenk, Jr., President Total Sales FYE 1/83: \$5,925,387 Computer Services Offered: • Software Products • Professional Services

### BIS, Inc.

110 Wall St. New York, NY 10005 (212) 269-0951 Total Sales FYE 2/83: \$9,000,000 Computer Services Offered: • Turnkey Systems

### **BM** Systems

5980 Port Anadarko Trail Hermitage, TN 37076 (615) 889-0714 B. Malone, President Private

## BMA Data Processing, Inc.

See: Central Bank & Trust

#### BMC Software Inc. PO Box 2002

Sugarland, TX 77478 (713)491-8800 John Moores, President Private Computer Services Offered: . Software Products

#### BMS Computer Inc.

150 W Wiget Ln. Walnut Creek, CA 94598 (415) 938-2620 Larry Lynch, President Private Total Sales FYE 12/81: \$250,000 Computer Services Offered: • Software Products

### BOS National (MPSI)

See: I-Concepts, Inc

#### BPI Systems, Inc.

Professional Services

3423 Guadalupe Austin, TX 78705 (512) 454-2801 Randall W. Ferguson, President Total Sales FYE 3/83: \$6,076,000 Computer Services Offered: . Software Products .

## Directory of Computer Services Companies

### BRS Computing Inc.

7 Westchester Plaza Elmsford, NY 10523 (914) 592-5338

Barry Schoenhaut, President Private

Total Sales FYE 9/81: \$700,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## BSA Company, Inc.

1714 Brogan Street San Antonio, TX 78232 (512) 734-3814 Weldon Cabaniss, President Private

# BST Consultants, Inc.

6110 Gunn Highway P.O. Box 23425 Tampa, FL 33623 (813) 961-3902 Carlos Baldor, President

Private

### SUBSIDIARIES:

**BST Data Systems Company** 6110 Gunn Highway P.O. Box 23425 Tampa, FL 33623 (813) 961-3902 Don Silkebakken, President

### BST Data Systems Company

See: BST Consultants, Inc.

## **BUC International Corp**

1881 Northeast 26th St Fort Lauderdale, FL 33305 (305)565-6715 Walter J Sullivan, President

# Baird Corp. 125 Middlesex Turnnike

Bedford, MA 01730 (617)276-6000

## Baird Petrophysical Group

3300 Walnut Bend Houston, TX 77042 (713)975-8088 Computer Services Offered: • Processing

Bakco Data Inc. 85 W. Algonquin Rd., Ste. 190 Arlington Heights, IL 60005 (312) 956-1052 Jerry D. Baker, President Private Total Sales FYE 9/82: \$600,000 Est.

# Baker, J., & Associates Inc. 7 Dearborn St.Ste 807

Computer Services Offered: • Software Products

Chicago, IL 60603 (312) 459-3900 Jerry P. Baker, President Private

### Bakken & Schaefer

6051 E Dartmouth Denver, CO 80222 (303) 758-6129 J. E. Bakken, Partner Private

#### Banburry Books

SUBSIDIARIES:

### Acorn Software Products Inc.

7655 Leesburg Pike Falls Church, VA 22043 (703) 893-0868 Daphne Schor, President Computer Services Offered: • Software Products

### BancAids

See: Management and Financial Support Services

### Bancology

See: Pan-National Group

### Bancroft Computer Systems

P.O. Box 1533 West Monroe, LA 71291 (318) 388-2236 Allen Harris, President Private Total Sales FYE 10/81: \$600,000 Est. Computer Services Offered: . Software Products

### Bank Buildings Corporation

SUBSIDIARIES:

### Marshall & Stevens

600 S. Commonwealth Los Angeles, CA 90005 (213) 385-1515 Alex D. Schiak, President

## Bank of America Corporation

555 California St San Francisco, CA 94137 (415)622-3456 Public

SUBSIDIARIES:

### **BA** Managistics

1633 Broadway, 18th Fl New York, NY 10019 (212)246-6220 Donald Levy, President Private Cptr. Svcs. Revs. FYE 12/82: \$11,000,000 Est. Computer Services Offered: 

Processing

### **Decimus Corporation**

I California Street San Francisco, CA 94111 (415) 622-3717 John Margoes, President Cptr. Svcs. Revs. FYE 12/82: \$20,000,000 Est. Computer Services Offered: • Processing

#### DIVISIONS:

### Business Services Global Systems Services

5010 555 California St San Francisco, CA 94137

(415) 622-3550 Francis Wetzel, SR Vice President Total Sales FYE 12/82: \$76,800,000 Computer Services Offered: • Processing

## Bank of New Orleans and Trust Company

See: New Orleans Bancshares Inc

Bankers Data Processing, Inc. See: Citicorp

Bankers Data Services
See: U.S. National Bank Shares

Banking Systems Inc.

See: General Electric Company

Bankmatic Systems Inc. 8835 SW Canyon Lane PO Box 25600 Portland, OR 97225

Portland, OR 97225 (503) 292-9246 Private

Computer Services Offered: • Turnkey Systems

### **BankWire**

See: American Bankers Association

### Barkett Computer Services, Inc.

P.O. Box 522 97 Miami, FL 33152 (305) 592-3304 William Rafferty, President Private

### Baron Data Systems

1700 Marina Blvd. San Leandro, CA 94577 (415) 352-8101 J. Garrett Fitzgibbons, President

Total Sales FYE 3/83: \$15,832,000

Computer Services Offered: • Turnkey Systems

### Barrister Information Systems Corp

1 Technology Center 45 Oak St Buffalo, NY 14203 (716)845-5010 Henry T Semmelhack, President Private

Total Sales FYE 3/83: \$13,500,000
Computer Services Offered: • Turnkey Systems

#### Base Network Corp 333 North Michigan Ave, Ste 333

Chicago, IL 60601 (312)227-3638 Computer Services Offered: • Processing

Basic American Industries

#### SUBSIDIARIES:

### Medical Engineering Inc

2675 Winkler Ave Fr. Myers, Fl. 3390 (813)939-521 Joseph Scott, President Total Sales FVE 12/81: \$2,000,000 Computer Services Offered: • Processing • Software Products

#### Batt Bates & Company 1407 K Street, N.W. Washington, DC 20005

Washington, DC 20005 (202)789-7800 Computer Services Offered: • Processing

#### Battelle Columbus Laboratories

505 King Ave.
Columbus, OH 43201
(614) 424-6424
Private
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

BayBanks Data Services, Inc.

### Baybanks Inc.

#### SUBSIDIARIES:

### BayBanks Data Services, Inc.

400 Fifth Avenue
Waltham, MA 02154
(617) 890-2700
George M. Schmeck, Jr., President
Total Sales FYE 12/81: \$22,500,000 Est.
Cptr. Svcs. Revs. FYE 12/81: \$1,000,000 Est.
Computer Services Offered: • Processing

#### Bayside Holding Corp

### SUBSIDIARIES:

### Management Analysis Co.

11095 Torreyanna Rd San Diego, CA 92121 (714)452-5000

# Beck, Thomas Inc.

1319 Bridgeway Sausalito, CA 94965 (415)331-1555 Private Total Sales FYE 6/83: \$500,000 Est. Computer Services Offered: • Professional Services

### **Bedford Computer Systems**

See: Distributed Systems Corp.

## Bell & Murphy and Associates Inc

(BMA)
4100 McEwen Rd,Ste 260
Dallas, TX 75234
(214)386-0252
Computer Services Offered: • Processing • Professional

\_ 25 \_

### Benefacts Inc.

See: Alexander & Alexander, Inc.

### Beneficial Computer Services Inc See: Beneficial Standard Corp

### Beneficial Standard Corp

3700 Wilshire Blvd Los Angeles, CA 90010

#### SUBSIDIARIES:

### Beneficial Computer Services Inc

3700 Wilshire Blvd
Los Angeles, CA 90010
(213)381-8737
Raul Cruz, President
total Sales FYE 12/81: \$5,900,000
Computer Services Offered: • Processing

### Benetics Corporation

335 East Middlefield Road Mountain View, CA 94043 (415) 940-6300 John Krakauer, President Private

Total Sales FYE 7/83: \$10,000,000 Computer Services Offered: • Turnkey Systems

### Benton, Schneider & Associates GAINS Marketing Group

2021 Spring Rd.
Oak Brook, IL 60521
(312) 325-9444
William Benton, President

#### Bergen Brunswig Corporation

SUBSIDIARIES:

#### Bergen Brunswig Data Services Co.

2231 S. Wilmington Ave.
Carson, CA 90745
(213) 549-4040
Tony Vallario, President
Total Sales FYE 8/82: \$2,400,000 Est.
Computer Services Offered: • Processing • Turnkey
Systems

#### Bergen Brunswig Data Services Co. See: Bergen Brunswig Corporation

### Bergman, Gary Associates

14 Hickory Ln. New Brunswick, NJ 08902 (201) 247-2727 Private

# Berkshire Bank and Trust Co. Automated Customers Service

See: Conifer Group, Inc.

#### Berman Associates

101 East Holly Ave. Suite 14 Sterling, VA 22170 (703) 450-5000 Lon Berman, President

### Bernhard, Arnold & Co., Inc.

#### DIVISIONS:

### Value Line Incorporated

711 Third Avenue New York, NY 10017 (212) 687-3965 Dorothy Berry, President Public

#### SUBSIDIARIES:

#### Compupower Corporation

1 Harmon Plaza Seacaucus, NJ 07094 (201) 866-8600 Herbert Messing, President Computer Services Offered: • Processing

#### Berton Group Inc.

235 E. 31st St. New York, NY 10016 (212) 682-2274 Gerald Berton, President

# BETAC Corporation

1401 Wilson Blvd Arlington, VA 22209 (703)243-9200 Earl Lockwood, President

### Better Methods Software Corp

315 W Jefferson Blvd South Bend, IN 46601 (219) 236-4020 Computer Services Offered: • Software Products

### Beverley Enterprises

SUBSIDIARIES:

#### Compu-Link Corporation 4000 N. Grand River P.O. Box 16247

Lansing, M1 48901 (517) 323-4134 Dennis Vorketz, President Private Total Sales FYE 6/82: \$1,740,000 Est.

Services

Computer Services Offered: • Processing • Professional

## Bibliographic Retrieval Services Inc. See: Indian Head, Inc.

Bishop Graphics

#### SUBSIDIARIES

# ComputerAided Design Resources, Inc. 600 S. Lake, Ste. 101

Pasadena, CA 91106 (213) 792-6552 Louise Kirkbride, President Total Sales FYE 9/83; \$450,000

Computer Services Offered: • Processing • Turnkey Systems

#### Bitek International Corporation

3200 E. 29th Street Long Beach, CA 90806 (213) 426-5927

#### Black, David R & Associates, Inc 20 Parkway View Dr

20 Parkway View Dr Pittsburg, PA 15205 (412)787-5100 David R Black, President Private Total Sales FYE 7/82: \$1,400,000 Est.

### Blackhawk Data Corporation

200 N. Michigan Avenue Chicago, IL 60601 (312) 236-8473 John D. Brink, President Private

# Blank, Joseph R., and Associates Inc. 2821 Covert Road

Computer Services Offered: • Software Products

Glen View, IL 60025 (312) 724-3519 Joseph R. Blank, President Private

### **Bloodstock Computer Services**

1750 Alexandria Drive P.O. Box 4097 Lexington, KY 40504

#### Boeing Company, The

DIVISIONS:

### Boeing Computer Services Company

2810 160th Ávenue S.E.
Bellevue, WA 98008
(206) 763-5250
Robert L. Dryden, President
Total Sales FYE 12/82: \$590,541,000
Cptr. Sves. Revs. FYE 12/82: 3169,347,000
Computer Services Offered: • Processing • Software
Products • Professional Services

#### Boeing Computer Services Company See: Boeing Company, The

Boise Cascade Computing
See: Boise Cascade Corporation

#### Boise Cascade Corporation

#### DIVISIONS:

### **Boise Cascade Computing**

One Jefferson Square Boise, ID 83728 (208) 384-6100 John Frey, CEO

#### Bolt Beranek and Newman, Inc.

| 10 Moulton Street | Cambridge, MA 02238 | (617) 491-1850 | Stephen R Levy, Chairman. Public | Total Sales FYE 6/83: \$85,424,000 | Total Sales FYE 6/83: \$42,700,000 | Est. Cpptr. Sves. Revs. FYE 6/83: \$42,700,000 | Est. C

#### SUBSIDIARIES:

#### **BBN** Computer Corporation

68 Moulton St Cambridge, MA 02238 (617)497-2929 Michael P. LaVigna, President Computer Services Offered: • Software Products

#### Bonner & Moore Associates 2727 Allen Parkway

2727 Allen Parkway Houston, TX 77019 (713) 522-6800 Joe F. Moore, President Private

Houston, TX 77019

#### SUBSIDIARIES:

#### Bonner & Moore Computer Service 2727 Allen Parkway, Ste. 1650

(713)522-6800
James C. Green, President
Private
Total Sales FYE 10/82: \$9,900,000
Cptr. Sves. Revs. FYE 10/82: \$4,162,000
Computer Services Offered: • Processing • Professional

#### Bonner & Moore Computer Service

See: Bonner & Moore Associates

#### Boole & Babbage, Inc.

510 Oakmead Parkway
Sunnyvale, CA 94086
(408) 735-9550
Jack E. Van Kinsbergen, President
Private
Total Sales FYE 9/82: \$16,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

#### SUBSIDIARIES:

#### Institute for Software Engineering (ISE)

535 Middlefield Rd, Ste 200 Menlo Park, CA 94025 (415)493-0300 David R Vincent, General Manager Computer Services Offered: • Professional Services

## Directory of Computer Services Companies

Booz Allen & Hamilton Inc. Dept. N-1, 245 Park Avenue New York, NY 10017 (212) 880-9496

J.B. Farley, Sr Vice President
Cptr. Svcs. Revs. FYE 12/82: \$18,000,000 Est.
Computer Services Offered: • Professional Services

### Borg Enterprises

#### DIVISIONS:

DCD Company

1601 West River Rd, North Minneapolis, MN 55411 (612)588-0551 Dwayne Borge, President Public

Total Sales FYE 12/83: \$3,000,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Boston Financial Data Services See: State Street Bank

### Boston Systems Office (The), Inc.

469 Moody St. Waltham, MA 02154 (617) 894-7800 Michael Rooney, President

Total Sales FYE 3/83: \$3,000,000 Est, Computer Services Offered: . Software Products . Turnkey Systems

#### Bosworth & Associates

9 Forest Drive Plainview, NY 11803 (516) 938-8223 Sy Bosworth, President

#### Bowers and Davis, Consultants and Engineers

#### SUBSIDIARIES:

### Dedicated Minisystems for Banking Inc.

158 Fallow Field Rd Fairfield, CT 06430 (203) 259-6462 Dan M. Bowers. President

#### Bowne & Company, Inc.

#### SUBSIDIARIES:

#### Bowne Information Systems, Inc. 435 Hudson Street

New York, NY 10014 (212) 807-7280 William B. Mahony, President Total Sales FYE 10/82: \$7,853,000 Computer Services Offered: . Processing . Software

## Bowne Information Systems, Inc.

See: Bowne & Company, Inc.

### Bradford Business Systems Inc.

4920 Barranca Parkway Irvine, CA 92714 (714)857-2462 Russ Bradford, President Computer Services Offered: • Software Products • Professional Services

### Bradford National Corporation

67 Broad St.

New York, NY 10004 (212) 530-7890 Roy B. Simpson, President Public Total Sales FYE 12/82: \$134,614,000 Cptr. Svcs. Revs. FYE 12/82: \$115,406,000 Computer Services Offered: . Processing . Software Products . Professional Services

### Bradmark Computer Systems, Inc.

4446 Main St Buffalo, NY 14226 (716) 839-5508 Private Total Sales FYE 12/83: \$700,000 Est. Computer Services Offered: • Software Products

### Brandon Consulting Group, Inc.

See: 1MS Systems Corporation

#### Brault, Strauchman Associates 1 Northfield Plaza

Trov. M1 48098 (313) 879-6300 Del Brault, President Private Total Sales FYE 11/81; \$1,400,000 Computer Services Offered: • Professional Services

#### SUBSIDIARIES:

## Data Input Services Corp.

1 Northfield Plaza Troy, M1 48098 (313)879-6304 Doug Camper, President

### Breen Systems Management Inc. (BSM)

27 Commerce St Williston, VT 05495 (802) 863-1343 James L. Breen, Jr., President Private

#### Breuer and Co.

54 Middlesex Turnpike Bedford, MA 01730 (617) 275-5810 Tom Breuer, Owner Private

Total Sales FYE 12/82: \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

# Directory of Computer Services Companies

### Bricmont & Associates, Inc.

395 Valley Brook Road McMurray, PA 15317 (412) 941-3150 F.H. Bricmont, President

Computer Services Offered: • Professional Services • Turnkey Systems

Bridge Data Co.
See: Bridge Holding Co.

### Bridge Holding Co.

### SUBSIDIARIES:

Bridge Data Co. 10050 Manchester Rd St. Louis, MO 63122 (314)821-5660 Jim Yates, President

Bridge, The
199 California Drive
Millbrae, CA 94030
(415) 697-2730
Larry Rebick, President

Total Sales FYE 3/83: \$800,000 Est.

Computer Services Offered: • Software Products

#### Bristol Information Systems Inc. P.O. Box 2133 84 N. Main Street Fall River, MA 02722 (617) 679-1051

Fredric Gottlieb, President Private

## British Petroleum

SUBSIDIARIES:

Systems Control, Inc.
1801 Page Mill Road
Palo Alto, CA 94304
(41)5 494-1165
Philip E. Merritt, President
Print States Pyte 12/81: 525,000,000
Copt. Sves. Revs. Fyte 12/81: 522,000,000
Computer Services Offered: Professional Services

Broadway & Seymour, Inc. 302 South Tryon Street Suite 411 Charlotte, NC 28202 (704) 372-4281

## Broderbund Software Inc.

1938 Fourth St. San Rafael, CA 94901 (415) 456-6424 Douglas Carlston, President

Private

Computer Services Offered: 

Software Products

Brokerage Software Systems, Inc.

## Brokerage Transaction Services Inc.

See: Control Data Corporation

### Brookings Institution Social Science Computation Ctr

1775 Massachusetts Ave, N.W. Washington, DC 20036 (202)797-6181

### Brown and Root

See: Halliburton Company

### Brown Computer Center

See: National Education Corporation

## Brown, Johnston & Associates Inc.

Concord, CA 94520 (415) 827-4440 Robin Retallick, President Private Total Sales FYE 6/83: \$25,000,000 Computer Services Offered: • Software Products • Professional Services

## Brown, Sanders & Associates, Inc.

878 Hawkshil Island Dr.
Satellite Beach, Fl. 32937
(305) 777-5776
Robert J. Sanders, Chairman
Private
Total Sales FYE 9/82: \$700.000
Computer Services Offered: • Processing • Software
Products • Proclessional Services

### Brown's Data Processing Service Center

1700 S. Eastwood Dr. Box 728 Woodstock, 1L 60098 (815) 338-1200 Wayne L. Brown, President Private

## Budco Data Systems

2650 Dalemead Street Torrance, CA 90505 (213) 325-4308 Forrest Coling, President Private

#### Budget Computer Systems

5752 Oberlin Drive San Diego, CA 92121 (619) 457-3070 Kenneth V. Ball, President

Total Sales FYE 5/83: \$4,000,000 Est.

Computer Services Offered: 

Processing • Software

Products • Professional Services • Turnkey Systems

### **Budget Timeshare Inc**

4739 Alla Rd Marina Del Rey, CA 90291 (213)821-5973

Total Sales FYE 6/82: \$18,000,000 Est. Cptr. Svcs. Revs. FYE 6/82: \$16,000,000 Est.

Computer Services Offered: 

Processing 

Software

Products • Professional Services

### Bunker Ramo Information Systems

Acquired by Allied Corporation

### Burlington Data Processing Inc.

1500 Shelburne Rd. Burlington, VT 05401 (802) 658-2664

Richard E. Tarrent, President

Total Sales FYE 6/81; \$3,500,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Burnett, Ed, Consultants Inc.

2 Park Ave. New York, NY 10016 (212) 679-0630 Ed Burnett, President Private

Burroughs Corporation
Burroughs Place Detroit, MI 48232 (313) 972-7000 Paul G. Stern, President Public

Total Sales FYE 12/82: \$4,186,251,000 Cptr. Svcs. Revs. FYE 12/82: \$369,950,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

SUBSIDIARIES:

#### System Development Corporation

2500 Colorado Avenue Santa Monica, CA 90406 (213). 820-4111 George E. Mueller, Chairman

Computer Services Offered: • Processing • Software

Products • Professional Services

### Bush, Lloyd and Associates

156 Williams St New York, NY 10038 (212)962-4004 Lloyd Bush, President Total Sales FYE 12/82: \$4,000,000 Est. Computer Services Offered: • Processing • Software Products

SUBSIDIARIES:

#### Applied Computer Enterprises, Inc.

156 Williams Street New York, NY 10038 (212) 962-4004 Lloyd A. Bush, President

Computer Services Offered: • Processing

#### Bush, Oren & Associates

960 10th St., Suite 7 Santa Monica, CA 90403 (213) 395-8801

Don Bush, President

#### Business and Professional Software, Inc.

143 Binney Street Cambridge, MA 02142 (617) 491-3377 David Solomont, President Deivate Total Sales FYE 8/82: \$2,000,000 Computer Services Offered: • Software Products

### Business and Technological Systems, Inc.

10210 Greenbelt Rd. Seabrook, MD 20801 (301) 794-8800 Andrew Jadwinski, President

SUBSIDIARIES:

#### Computer Systems International Inc.

Aerospace Building, Suite 440 10210 Greenbelt Road Seabrook, MD 20801 (301) 794-6052 Jerry Horsewood, President

### Business Application Systems, Inc. (BAS)

7334 Chapel Hill Rd. Raleigh, NC 27607 (919) 851-8512 Earl Gilmore, President

Total Sales FYE 3/81; \$3,500,000

Computer Services Offered: • Software Products • Turnkey Systems

#### **Business Applications Group** 5520 Ruffin Rd. Suite 101

San Diego, CA 92123 (714) 560-6343 Sel Hickman, President

Computer Services Offered: • Processing

#### **Business Automation Inc.** 1440 S. State College Blvd.

Anaheim, CA 92802 (714) 778-2021 Douglas Nation, President

Total Sales FYE 9/82: \$1,500,000 Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Business Color Graphics Inc

# Directory of Computer Services Companies

#### SUBSIDIARIES:

Infographics Inc 201 Shipyard Way, Ste E Newport Beach, CA 1981 (714) 675-4385 Stephen Slingsby, President

Computer Services Offered: • Processing • Turnkey

**Business Computer Center** 8659 Baltimore Nat'l Parkway

Elliott, MD 21043 (301) 461-2200 Gary Irving, President

Cptr. Svcs. Revs. FYE 3/83: \$1,500,000 Est. Computer Services Offered: • Turnkey Systems

Business Computer Design

15 Spinning Wheel Dr Hinsdale, 1L 60521 (312)920-1175 Joseph Falachi, President

Total Sales FYE 4/81: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

Business Computer Service Inc.

1210 Smith St. Charleston, WV 25301 (304) 343-9471 Robert Payne, President

Business Computer Services Inc.

3030 N. Fairfax D Arlington, VA 22201 (703)527-1424

Computer Services Offered: • Processing • Turnkey

Business Computer Solutions Inc.

2655 LeJeune Road Suite 902 Coral Gables, FL 33134 (305) 441-0700 Ronald A. Goldstein, President

Private Total Sales FYE 7/83: \$700,000 Est.

Computer Services Offered: • Software Products • Professional Services

Business Computer Systems Corp.

12 South Hull Street Sinking Spring, PA 19608 (215) 678-6611 John Hildebrant, Jr., President Private

Business Consultants of Arizona, Inc.

5150 N. 16th St. Phoenix, AZ 85016 (602)266-0676

**Business Controls Corporation** 

507 Boulevard Elmwood Park, NJ 07407 David J. Hirschfeld, President Business Data Services, Inc. See: American Computer Technology, Inc.

**Business Data Systems** 26 Arcadia Rd., Box 308 Old Greenwich, CT 06870 (203)637-8484 William Bird, President

Business Data, Inc.

See: Wallace Business Forms, Inc.

Business Information Systems Inc.

5128 N. Elston Avenue Chicago, 1L 60630 (312) 685-7130 Albert C. Wagner, President

Private Total Sales FYE 12/82: \$1,870,000 Computer Services Offered: • Processing

Business Model System, Inc.

2625 Butterfield Rd Oakbrook, 1L 60521 (312)789-9160 Total Sales FYE 7/82: \$4,000,000 Est. Computer Services Offered: • Software Products

Business Planning Systems, Inc

2 North State St Dover, DE 19901 (302)674-5500 Computer Services Offered: • Software Products

Business Programmer Services, Inc.

286 East Hamilton Ave, Ste A Campbell, CA 95008 (408)246-1500 Brooks Griffin, President

**Business Service Corporation** P.O. Box 7876

Pine Bluff, AR 71601 (501) 534-4226 John H. Talbot, III, President Private Total Sales FYE 8/82: \$325,000 Est. Computer Services Offered: • Processing

Business Services Global Systems Services

See: Bank of America Corporation

Business Systems Associates Inc

20942 Osborne St Canoga Park, CA 91304 Computer Services Offered: • Software Products

**Business Systems Consultants** Name changed to: Broadway & Seymour, Inc.

## Directory of Computer Services Companies

### Business Systems Inc.

9845 Roosevelt Westchester, 1L 60153 (312) 681-6060 Clyde Scott, President

Private Total Sales FYE 1/83: \$2,000,000 Computer Services Offered: • Processing • Software Products

## Business Systems Research Inc.

See: Automatic Data Processing Inc.

## Bytek

Name Changed to: Bytel Corporation

### Bytel Corporation

1730 Solano Avenue Berkeley, CA 94707 (415)527-1157 Alexander Pines, Manager

Total Sales FYE 12/82: \$250,000 Est. Computer Services Offered: . Software Products

### C & C Computer Service

1142 Indian School Rd., W Phoenix, AZ 85013 (602) 264-3456

C & S Systems PO Box 20843 Birmingham, AL 35216 (205) 252-0400

### C & T Management

#### SUBSIDIARIES:

## Data Processing & Accounting Services

50 Van Ness Ave San Francisco, CA 94102 (415) 621-2888 Robert Tessler, President Private Total Sales FYE 1/81: \$6,000,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

### Interactive Computer Enterprises

PO Box 6243 San Jose, CA 95150 (408)727-9691 Ron Charters, President

#### C M & M Group Inc

#### SUBSIDIARIES:

Landart Systems, Inc. 140 Cedar St. 2nd Floor New York, NY 10006 (212) 227-0220 John Gilmore, President

Private Total Sales FYE 12/82: \$3,750,000 Est. Computer Services Offered: • Processing • Professional

C.A.C.I., Inc. 1815 North Fort Meyer Dr Arlington, VA 22209 (703) 841-7800 Herbert W. Karr, President

Public Total Sales FYE 6/83: \$114,403,247 Computer Services Offered: 

Processing 

Software Products 

Professional Services

### CAE Systems, Inc.

1333 Bordeaux Ave. Sunnyvale, CA 94089 (408) 745-1440 Private

Computer Services Offered: • Turnkey Systems

#### CB Associates

1350 Grant Road, Suite 12 Mountain View, CA 94040 (415) 968-8935 Fred & Bernice Deutscher, Partners Private

### CBA Inc.

2636 Marquette Rd. Chicago, IL 60637 (312) 471-3010 E.L. Kurowski, President

# CBR Systems Corporation 4401 Templeton Gap

Colorado Springs, CO 80908 (303)593-7073 Kent Conard. President

#### CBT Data Services Corp. I Constitution Plaza

Hartford, CT 06115 (203)244-4266 Harry Kilman, President

### CCH Computax Inc. See: Commerce Clearing House

CCH Computax Systems, Inc. See: Commerce Clearing House

#### CCS

PO Box 276 San Antonio, TX 78201 (512)340-8735 Tim Shirley, President

Computer Services Offered: • Processing

CDE Associates
14 Bert Street
Hooksett, NH 03106
(603) 485-5907 Stephen Ferreira, President

### CDS Systems, Inc.

2672 Bayshore Frontage Road Suite 506 Mt. View, CA 94043 (415) 961-2080 Tsuneak Yamamoto, President Private Total Sales FYE 6/81: \$207,000 Computer Services Offered: . Software Products . Turnkey

### CFM Software Services

4 Himmel Court
Coram, NY 11727
(516)698-8432
Computer Services Offered: • Software Products • Professional Services

#### CFS Inc. 1600 YFW Parkway

West Roxbury, MA 02132 (617) 566-0222 Richard K. Goran, President Private Total Sales FYE 4/82: \$1,000,000 Est. Cptr. Sves. Revs. FYE 4/82: \$900,000 Est. Computer Services Offered: • Software Products

# CGA Computer Associates Inc. 960 Holmdel Road

Holmdel, NJ 07733
(201) 94c-8900
Robert J. Sywolski, President
Public
Total Sales FYE 4/83: \$33,130,000
Computer Services Offered: • Software Products •
Professional Services

#### SUBSIDIARIES:

Software Shop Systems, Inc. 5825 Glenridge Dr Bldg 1, Ste 106 Atlanta, GA 30328

(404) 255-8736
Richard J. de Luca, President
Computer Services Offered: • Software Products

#### DIVISIONS:

Allen Services Corporation

212 W. National Road Vandalia, OH 45377 (513)890-1200 A. Allen, President

## CGG Data Processing Service Inc

See: Compagnie Generale De Geophysique

# CGX Corporation

42 Nagog Park
Acton, MA 01720
(617) 263-3222
Kenneth Leavitt, President
Private
Computer Services Offered: • Turnkey Systems

#### CHI Corporation 21111 Chargin Blvd

Cleveland, OH 44122 (216) 229-6400 Robert Bensen, President

#### CIC Data Corp. 475 Northern Blvd. Great Neck, NY 11021

(516) 466-5757 James O'Conner, President

## CIS/Corp. Facilities Group Inc.

Syracuse, NY 13202 (315) 425-1900

#### CL Systems Inc.

81 Norwood Ave Newtonville, MA 02160 (617)965-6310 Richard Goldberg, President Private Total Sales FYE 6/82: \$14,280,000 Computer Services Offered: • Turnkey Systems

### CMA Micro Computer

S7722 Santa Fe Trail
Yuca Valley, CA 92284
(619) 365-9718
Private
Total Sales FYE 7/83: \$3,000,000 Est.
Computer Services Offered: • Software Products

## CMC Associates Inc

Boston, MA 02116 (617) 266-4933 Bruce D. McDonnell, President Private Total Sales FYE 7/82: \$1,650,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### CMC Software See: CMC, Inc.

#### CMC, Inc.

#### DIVISIONS:

CMC Software

Carthage, MO 64836 (417)358-8017 Roy Mayes, President Computer Services Offered: • Software Products • Professional Services • Turnkev Systems

#### CMS Inc.

#### SUBSIDIARIES:

#### CPS - Medical Billing Systems

16000 Ventura Blvd Suite 1250
Encino, CA 91436
(213)906-0966
Marvin R. Selter, President
Private
Total Sales FYE 9/81; \$1,500,000 Est.
Computer Services Offered: • Processing

## CMS Industries Inc.

See: Computer Sciences Corporation

## Directory of Computer Services Companies

#### CMSI

234 SW Bancroft Portland, OR 97201

(503)227-0600 Computer Services Offered: • Professional Services

### **CPAids**

See: Computer Tax Service Inc

### CPS - Medical Billing Systems

See: CMS Inc.

### CPS Inc.

3701 Shoreline Dr. Wayzata, MN 55391 (612) 471-8448 Vic Rocchio, Jr., President

Total Sales FYE 12/81: \$1,000,000

Computer Services Offered: • Professional Services • Turnkey Systems

### CPU International, Inc.

Acquired/merged with: Pearlsoft

# CR Inc (Compensation Resources) 595 W Hartsdale Ave White Plains, NY 10607

(914)682-1461 Norman Schibuck, President

Private Total Sales FYE 12/81; \$300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

## CRC Information Systems Inc.

333 W. 34 St New York, NY 10001 (212)563-1300 Alvin L. Steinhart, President

Computer Services Offered: • Processing

#### CRD Associates P.O. Box 3421

Stanford, CA 94305 (415) 327-0376 James L. Starr, Director Private

See: Commodity Research Institute

### CS Computer Systems Inc.

90 John St. New York, NY 10038 (212) 349-3535 John Czerkies, President

### CSA Systems & Software

925 N. Judge Abilene, TX 79601 (915) 677-4210 R.C. Ivey, Partner

### CSEC Data Services

111 Ash Street East Hartford, CT 06108 (203) 528-9216

### CSW, Inc.

Palo Alto, CA 94306 (415) 941-9007 Joseph Jackson, President Private Total Sales FYE 7/82: \$4,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

4186 Manuela Ave.

### CSX Corporation

#### Cybernetics and Systems Inc. 500 Water St., Rm. 410

Jacksonville, FL 32202 (904)359-3151 Jack M. Cooper, President Total Sales FYE 12/81: \$22,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$4,100,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### CS2/Database International

PO Box 25404 Houston, TX 77005 (713)521-3150 Computer Services Offered: • Software Products

#### CTEC Inc. 6862 Elm St

McLean, VA 22101 (703)556-7400 Edward H Bersoff, President Total Sales FYE 6/81: \$6,700,000 Computer Services Offered: • Professional Services

#### CTI Limited Inc. 4455 LBJ Freeway, Stc. 810

Dallas, TX 75234 (214)661-9300 Kenneth Follansbee, President Private

Total Sales FYE 7/81; \$1,250,000 Est. Computer Services Offered: • Processing • Professional Services

#### CTS Services Inc

2720 Stemmons Freeway Suite 805 Dallas, TX 75207 (214) 637-3344 Carl Wade, President Private Computer Services Offered: • Processing • Professional Services • Turnkey Systems

**CUC Insurance Services** 

See: Comp-U-Card of America

### C3 Inc.

11425 Isaac Newton Square, South Reston, VA 22090 (703) 471-6000 John G. Ballenger, President

Total Sales FYE 3/83: \$62,548,000 Cptr. Svcs. Revs. FYE 3/83: \$57,079,000 Computer Services Offered: • Turnkey Systems

Cable Data 3200 Arden Way

Systems

Sacramento, CA 95825 (916) 485-2911 Robert J. Mathews, President Private Total Sales FYE I2/82: \$41,837,000 Computer Services Offered: . Processing . Turnkey

Cableshare Limited

20 Enterprise Dr. P.O. Box 5880 London, ON N6A4C (519) 686-2900 Terrence Pocock, President Private

Total Sales FYE 8/81: \$8,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

CADLINC Inc.

700 Nicholas Blvd Elk Grove Village, 1L 60007 (312)228-7300 John H. West, President

Total Sales FYE 9/83: \$4,000,000 Computer Services Offered: • Turnkey Systems

Cadnetix Corporation 5797 Central City

Boulder, CO 80301 (303) 444-8075 Bruce Holland, President

Total Sales FYE 7/83: \$4,000,000 Est. Computer Services Offered: • Turnkey Systems

#### CADO Systems

SUBSIDIARIES:

Interactive Management Systems, Inc.

Belmont, MA 02178 (617) 489-3550 Brian Boyle, President Total Sales FYE 6/81: \$6,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Cado Systems of MD, Inc. See: Data Inc.

375 Concord Ave.

CADTRAK

823 Kifer Rd Sunnyvale, CA 94086 (408) 730-2591 Eugene W. Emmerich, President Private Total Sales FYE 7/83: \$1,250,000 Computer Services Offered: . Turnkey Systems

Cahill and Company

111 Wright Street LaSalle, IL 61301 (815) 233-0102 Ron Borelli, Vice President

Caine, Farber, & Gordon Inc.

750 E. Green Street Pasadena, CA 91101 (213) 449-3070

Cal-Western Econometrics

11642 Knott Blvd., Suite 18 Garden Grove, CA 92641 (714) 898-9244 Deno Benedetti, Controller Private

Calculogic Corporation 2929 Broadway New York, NY 10027 (212) 866-9515 Joseph Lopatin, President Private

Calculon Corporation See: Calculon U.S. Corporation

Calculon Operating Service See: Calculon U.S. Corporation

Calculon U.S. Corporation

DIVISIONS:

Calculon Corporation

121 North Broad St. Philadelphia, PA 19107 (215) 491-8200 Raymond LeKashman, President
Cptr. Svcs. Revs. FYE 12/82: \$18,000,000 Est.
Computer Services Offered: • Professional Services

SUBSIDIARIES:

Calculon Operating Service

Philadelphia, PA 19107 Raymond LeKashman, President Private

California Computer Timesharing Co.

389 Conners Ct., Ste. F Chico, CA 95926 (916) 895-9122 David Morgan, President Private

## Directory of Computer Services Companies

### California Interactive Computing, Inc.

10100 Santa Monica Blvd. Suite 220 Los Angeles, CA 90067 (213) 557-2424

### California Minicomputer Systems Inc.

5534 Westlawn Ave Los Angeles, CA 90066 (213)390-9521 Robert D. Mowry, President Total Sales FYE 7/81: 55,000,000 Est. Computer Services Offered: • Turnkey Systems

### California Software Products

alliornia Software Pro 525 North Cabrillo Park Dr. Santa Ana, CA 92701 (714) 973-0440 Peter Warkenton, President Private

#### California Software, Inc 1460 Fourth St., Ste. 304 Santa Monica, CA 90401

(213) 451-5693
A. L. Frank, President
Private
Total Sales FYE 7/83: \$1,500,000 Est.
Commuter Services Offered: • Software Products

### California Systems Associates

2845 Mesa Verde Dr, E Suite 4 Costa Mesa, CA 92626 (714)546-9716

Computer Services Offered: • Software Products

### Call Computer

Mt. View, CA. 94043 (415) 964-5331 Alex Kamradt, President Private Total Sales FYE 6/82: \$900,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### CallData Systems, Inc.

1961 Old Middlefield

20 Crossways Park North Woodbury, NY 11797 (516) 575-6615 Computer Services Offered: • Processing

## Calma Company

See: General Electric Company

# Calspan Corporation Advanced Technology

See: Arvin Industries, Inc.

#### Caltec, Inc.

5415 Secor Rd. Toledo, OH 43623 (419) 475-4633 William C. Spaman, President

#### Camac, Inc.

2544 E University Dr Ste 520 Phoenix, AZ 85034 (602) 957-8421

Volini, President

## Cambar Business Systems Inc

PO BOX 10067
Charleston, SC 29411
(803)554-9550
Roger K Davis, President
Private
Total Sales FYE 12/82: \$2,500,000 Est.
Computer Services Offered: • Processing • Software
Products

### Cambridge Computer Associates, Inc.

222 Alewife Brook Parkway Cambridge, MA 02138 (617) 868-1111 Victor Oppenheimer, President Private

### Cambridge Systems Group, The

24275 Elise Los Altos Hills, CA 94022 (415)941-4558 Shawn McLaren, Director Private

#### Camex

7225
Minneapolis, MN 55435
(612) 831-0600
David R. Buchanan, President
Private
Total Sales FYE 12/82: \$9,375,000 Est.
Computer Services Offered: • Turnkey Systems

#### Cammack Consulting Agency, Inc. 1532 Varnum St.NW Suite 100

Washington, DC 20011 (202)337-4893 Computer Services Offered: • Processing • Professional Services

#### Canada Systems Group 2599 Speakman Dr.

Mississauga, ON L5K1B (416) 822-5200 W W Beairsto, Vice President Private Total Sales FYE 12/81: \$84,566,000

Cptr. Svcs. Revs. FYE 12/81: \$64,506,000
Cptr. Svcs. Revs. FYE 12/81: \$71,594,900
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

#### Canadian M.S.P. Software Products

120 Norfineh Dr. Downsview, ON M3N1X (416) 663-8640 Steve Ginsburg, President

# Candle Corporation

10880 Wilshire Blvd 24th Floor Los Angeles, CA 90024 (213)470-2277 Aubrey Chernick, President

Total Sales FYE 12/82: \$26,000,000 Est. Computer Services Offered: • Software Products

Cannon Computer Company 10300 N. Central Expwy,Ste 270

Dallas, TX 75231 (214)691-3062 Del Cannon, President Total Sales FYE 7/82: \$1,000,000 Computer Services Offered: • Processing • Software Products

CAP Gemini Services See: CAP Gemini Sogeti

# CAP Gemini Sogeti

SUBSIDIARIES:

CAP Gemini Services

301 Maple Avenue West Vienna, VA 22180 (703) 938-2207 Leonard Jacoby, President

DASD Corporation

9045 N. Deerwood Drive Suite 301 Milwaukee, W1 53223 (414) 355-3405 Michael Berty, President Total Sales FYE 12/82: \$41,300,000 Computer Services Offered: • Software Products • Professional Services

SUBSIDIARIES

CAP Gemini, Inc.

301 Maple Ave West 4th Floor 301 Tower Vienna, VA 22180 (703) 938-2207 Leonard Jacoby, Chairman Computer Services Offered: • Professional Services

Spiridellis & Associates, Inc. 1133 Avenue of the Americas

New York, NY 10036 (212) 221-7270 Nikolaous T. Spiridellis, President Computer Services Offered: • Processing • Professional Services

CAP Gemini, Inc. See: CAP Gemini Sogeti

CAP Group Ltd

#### SUBSIDIARIES:

CAP-CPP Inc. 521 Fifth Avenue 34th Floor New York, NY 10175 (212) 599-7000 Mel Bass, President Computer Services Offered: • Professional Services

CAP-CPP Inc. See: CAP Group Ltd

Capcom Systems, Inc. 6001 Northwest 153rd St. Suite 160 Miami Lakes, FL 33014 (305) 521-0631 A.J. Capodiferro, President Private Total Sales FYE 12/82: \$650,000 Computer Services Offered: • Processing

SUBSIDIARIES:

COM Services Inc. 695 Northwest 115th St. Miami, FL 33168 (305)685-0044 John Critten, President

Capitol Bancorporation Bulfinch Place Boston, MA (617)723-5300

SURSIDIARIES

Key Entry Inc. Boston, MA 02114 (617)723-5300 John G Marsh, President

Capitol City Computer Services See: Sedalia Computer Services, Inc.

Cappelletti, John Associates ee: Computer Contractors Assn., Inc.

Capro Inc 12781 Pala Dr Garden Grove, CA 92641 (714)891-1109

Computer Services Offered: • Software Products

Capsco 6300 North River Road Rosemont, IL 60606 (312) 692-6520 Bill Strauss, President Private Total Sales FYE 7/83: \$3,000,000 Est. Computer Services Offered: • Software Products

SUBSIDIARIES:

CAPSCO Software Canada Ltd. 562 Edlington Ave. East Toronto, ON

(416) 489-3744

# Directory of Computer Services Companies

# CAPSCO Software Canada Ltd.

See: Capsco

Cara Corporation 225 South 15th St. Philadelphia, PA 19102 (215) 735-2000 Soleman R. Pollack, PH.D., President

# Cara Corporation

611 E. Butterfield Rd. Suite 110 Lombard, 1L 60148 (312) 654-2405 Anthony Durkin, President Private

Total Sales FYE 9/82; \$4,000,000 Est. Computer Services Offered: • Software Products • Professional Services

# CARDS Inc.

316 Main St. Elida, OH 45807 (419) 331-3060 Mark Kitson, President Private

### Cardware Inc.

5301 Harford Road Baltimore, MD 21214 (301) 426-2102 Dolores Teisinger, President Private

Care Computer Systems

1720 130th Avenue N.E. PO Box 1408 Bellevue, WA 98009 (800)426-2675 James Ingalls, President Private Total Sales FYE 9/81: \$3,500,000 Computer Services Offered: • Processing • Software

Care Information Systems Inc

3009 S Sixth St Springfield, 1L 62703

Products . Turnkey Systems

Computer Services Offered: • Software Products

Career Systems 425 East 52 St

New York NY 10022 (212)308-4410 Total Sales FYE 7/82; \$314,000 Computer Services Offered: • Processing

Career Systems Inc.

1675 Palm Beach Lake Blvd Form 3 Ste 903 West Palm Beach, FL 33401 (305)689-3337 Dale Learn, President Private Total Sales FYE 12/81: \$700,000 Est.

Computer Services Offered: • Processing

# Carleton Corporation

44 Bromfield S Boston, MA 02108 (617) 482-9870 Robert Wilbur, President Private

Total Sales FYE 2/82: \$1,000,000 Est. Computer Services Offered: • Software Products

### Carlson Marketing Group

SUBSIDIARIES:

Maple Plain Company

12755 State Hwy 55 Minneapolis, MN 55359 (612)540-5192 Total Sales FYE 12/81: \$5,000,000 Cptr: Sves. Revs. FYE 12/81: \$4,500,000 Computer Services Offered: • Processing

# Carlton Financial Systems

SUBSIDIARIES:

Datalink Systems Inc. 1818 Commerce Drive P.O. Box 1316 South Bend, 1N 46624 (219) 232-3023 Joseph Pitts, President

# Carousel MicroTools

609 Kearney Street El Cerrito, CA 94530 (415) 528-1300 Deborah Scherrer, President Private Total Sales FYE 7/83: \$500,000 Est. Computer Services Offered: • Software Products

# Cascade Data Inc.

6116 Parview Dr.SE Grand Rapids, M1 49506 (616) 942-1420 Robert J. McAndrews, President Private

### Cash Management Systems, Inc.

408 Valley Crest Dr. Suite E200 Mogadore, OH 44260 (216) 699-6426 Gary Hendrickson, President Private

Casper Processors Inc

# PO Box 570 Mills, WY 82644

(307)235-6616 Computer Services Offered: • Processing

Catallatics, Inc. See: SIS Company

Catalyst Corporation See: Peat, Marwick, Mitchell & Co.

# Directory of Computer Services Companies

# Catalyst USA Inc

220 Oak St Grafton, WI 53024 (414)377-9400 Dennis Templar, President

Private

Total Sales FYE 7/81; \$2,000,000 Est. Computer Services Offered: • Turnkey Systems

# Cbord Group Inc. (The)

110 Meadow St., N Ithaca, NY 14850 (607) 272-2410 John E. Alexander, President Private

Total Sales FYE 6/82: \$900,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Cdex Corporation

5050 El Camino Real Los Altos, CA 94022 (415) 964-7600 Bruce Frisch, President

Private Computer Services Offered: • Software Products

### Celina Financial

SUBSIDIARIES:

# Midwest Data Systems, Inc.

Insurance Square P.O. Box 108 Celina, OH 45822 (419) 586-5180 Russel E. Scaub, President

Censor & Company 201 East 25th Street New York, NY 10010 (212) 679-5662 John Censor, Managing Partner Private

Centec Corporation
Centec Building 11260 Roger Bacon Drive
Reston, VA 22090 (703) 471-6300 Paul Minor, President Private Total Sales FYE 8/83: \$6,000,000 Cptr. Svcs. Revs. FYE 8/83: \$3,000,000
Computer Services Offered: • Professional Services • Turnkey Systems

#### Centennial Computer Services Inc. One Northside-75

Atlanta, GA 30318 (404) 352-3838 James E Pierce, President Private Total Sales FYE 1/81: \$300,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Center for Cobol Software, Inc.

1850 Lee Rd., Stc. 304 Winter Park, FL 32789 (305)629-1023 R.P. Conniff, President Private

## Center Fuel

SUBSIDIARIES:

#### EDS Timesharing

2150 N. Prospect Avenue Milwaukee, W1 53202 (414) 462-7400 Allan Kelling, President Private

#### Centex

575 North Pastora Ave. Sunnyvale, CA 94086 (408) 749-9211 Wayne Murakami, President Private Total Sales FYE 12/82; \$3,000,000 Est. Computer Services Offered: . Turnkey Systems

### Central Bank & Trust

SUBSIDIARIES:

# BMA Data Processing, Inc.

1174 East 2700 South Suite 21 Salt Lake City, UT 84106 (801) 486-0033 Paul Evans, President Private

### Central Bank Corporation

DIVISIONS:

### Central Trust Company, The Computer Services Department

310 Race Street Cincinnati, OH 45202 (513) 651-8000 Oliver W. Birckhead, Chairman

## Central Banking System

SUBSIDIARIES:

### Computer Dynamics Inc.

100 Hegenberger Road Oakland, CA 94621 (415) 635-5800 Robert Smith, President Private

# Central Computing Company

See: Citizens National Bank

# Directory of Computer Services Companies

# Central Credit

Las Vegas, NV 89126 (702)876-3639 Tod Early, President Computer Services Offered: • Processing

companie de mes offeren : Trouvoin,

# Central Data Processing Inc.

8007 Cryden Way Forestville, MD 20784 (301)568-4900

Computer Services Offered: • Processing

# Central Data Processing Inc.

7608 North Hudson Oklamhoma City, OK 73116 (405)843-9949

Computer Services Offered: • Processing

# Central Data Systems

23880 Industrial Park Dr. Farmington Hills, M1 48024 (313) 478-7000 Stanley Saladyk, President

# Central National Bank of Cleveland

See: Centron Bancshares Corporation

# Central Systems Incorporated

4440 Sigma Rd Dallas, TX 75234 (214)239-8511 Carol Maxwell, President

Private
Total Sales FYE 7/81: \$800,000 Est.

Total Sales FYE 7/81: \$800,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### Central Trust Company, The Computer Services Department

See: Central Bank Corporation

### Centron Bancshares Corporation

SUBSIDIARIES:

# Central National Bank of Cleveland

800 Superior Ave. Cleveland, OH 44114 (216) 344-3000

Wilson M. Brown, Jr., President

#### Centurion

See: Electronic Data Systems Corporation

### Century Analysis Inc.

114 Center Ave. Pacheco, CA 94553 (415) 680-7800

Cptr. Svcs. Revs. FYE 6/82: \$10,000,000 Est.

Computer Services Offered: • Software Products • Turnkey

Systems

# Century Associates

3845 Viscount Dr., Ste 10 Memphis, TN (901) James H. Clutter Private

Total Sales FYE 7/82: \$400,000 Est. Computer Services Offered: • Software Products

Cerritos Computer Services

### 4320 Atlantic Ave, Stc. 1 Long Beach, CA 90807

Long Beach, CA 90807 (213)424-6403

Computer Services Offered: • Turnkey Systems

# Chain Store Systems Ltd

303 Wacker, E. Chicago, IL 60601 (312)938-0171 Yitzhak N. Bachana, President, CEO Tomputer Services Offered: • Processing

# Chama Corporation

5384 University Ave. San Diego, CA 92105 (714) 287-5790 Chuck Phillips, President Private

# Champion Service Corporation

See: Citizens Financial Corporation

#### Chancellor Computer Corp. 1305 Grandview Dr.

South San Francisco CA 94080 (415) 872-2346 Bruce Chancellor, President Private

Computer Services Offered: • Turnkey Systems

#### Chang Laboratories Inc. 10228 North Stelling Rd

Cupertino, CA 95014 (408)725-8088 Darhsiung Chang, President

Computer Services Offered: • Software Products

### Channel Systems International

4129 State Street Santa Barbara, CA 93110 (805) 967-2110

### Chapman & Associates

29605 ScaHorse Cove Laguna Niguel, CA 92677 (714)494-4163 Computer Services Offered: • Software Products

### Charter Information Corp

2421 Rutland Dr Austin, TX 78758 (512)835-1111

Computer Services Offered: • Turnkey Systems

# Charter Medical Corporation

# Directory of Computer Services Companies

#### DIVISIONS:

Medical Data Services 905 South Lake Blvd Richmond, VA 23236

(804) 643-0231 Robert Porter, President Total Sales FYE 9/82: \$10,000,000 Est. Computer Services Offered: • Processing • Turnkey

Chase Econometrics/ Interactive Data Corporation

ee: Chase Manhattan Bank, N.A.

Chase Manhattan Bank, N.A.

SUBSIDIARIES:

Chase Econometrics/ Interactive Data Corporation 486 Totten Pond Road

Waltham, MA 02134 (617) 890-1234 (617) 890-1234
Carl G Wolf, Chief Operating Officer
Total Sales FYE 12/82: \$96,000,000 Est.
Cptr. Sves. Revs. FYE 12/82: \$90,000,000 Est.
Computer Services Offered: • Processing • Software Products • Professional Services

SUBSIDIARIES:

Interactive Data Services, Inc.

22 Cortlandt Street New York, NY 10007 (212) 285-0700 Martin Ryan, President

DIVISIONS:

**Dynamics Associates** 

1033 Massachusetts Avenue Cambridge, MA 02138 (617) 492-7500 J Philip Cooper, President

Chase-TCMS

560 Mission St. San Francisco, CA 94105 (415)495-8877 Charlie Gibbs, President
Total Sales FYE 12/82: \$4,500,000 Est.
Computer Services Offered: 

Processing

Computer Power Inc. 661 Riverside Avenue P.O. Box 2388 Jacksonville, FL 32204

(904) 358-1424 David M. Hicks, President Private
Total Sales FYE 12/82: \$24,000,000
Cptr. Svcs. Revs. FYE 12/82: \$23,400,000
Computer Services Offered: • Processing • Software
Products • Professional Services

Chase-TCMS See: Chase Manhattan Bank, N.A.

Cheltonian Inc See: Cheltonian Ltd Cheltonian Ltd

SUBSIDIARIES

Cheltonian Inc

10085 West Park Dr.Ste C Houston, TX 77042 (713)781-2300 Tony Welsh, General Manager Total Sales FYE 12/81: \$2,200,000 Est. Computer Services Offered: • Turnkey Systems

Chemical Abstracts Services (CAS)

See: American Chemical Society

ChemShare Corp

See: Texas McCan

Chi/Cor Information Management Inc

10 S Riverside Plaza Chicago, IL 60606 (312)454-9670 Computer Services Offered: • Software Products

Chicago Computer Services, Inc

N Riverside Plaza, Rm 1135

Chicago, IL 60606 (312) 782-7823 John Munro, President

Chicago Title & Trust Company

SUBSIDIARIES:

Hall and McChesney

P.O. Box 4889 Syracuse, NY 13221 (315) 422-3131 Frank J. Ruck, President

Chilton Corp 12606 Greenville Ave

Dallas, TX 75243 (214)699-6111 Van A. Smith, President Public Total Sales FYE 3/83: \$54,029,000 Cptr. Svcs. Revs. FYE 3/83: \$7,564,060

Computer Services Offered: . Processing

CHIPS, Inc. 2923 Elm Place Reading, PA 19609

(215) 373-5146 Kerry L. Klick, President

Total Sales FYE 3/81: \$366,000 Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

# Directory of Computer Services Companies

# Christensen, Laurits R. Associates, Inc.

810 University Bay Dr. Madison, WI 53705 (608) 231-2266

Laurits Christensen, President Private

Computer Services Offered: • Professional Services • Turnkey Systems

### Christian Rousing

#### SUBSIDIARIES:

### Christian Rousing Computer Systems

1145 West Collins Ave. Orange, CA 92667 (714) 633-8660 Lars Arbb, President

Private Computer Services Offered: • Software Products • Turnkey

#### Christian Rousing Computer Systems See: Christian Rousing

Chubb & Son, Inc. 51 John F. Kennedy Parkway Short Hills, NJ 07078 (201) 467-6000 Henry N. Harder, President

Cptr. Svcs. Revs. FYE 12/81: \$500,000 Est.

Computer Services Offered: • Processing • Software

### Church Data Associates (CDA)

6378 N. College Ave. Indianapolis, 1N 46220 (317) 251-9101 Dave Wheeless, President Private

# Cincom Systems Inc.

2300 Montana Avenue Cincinnati, OH 45211 (513) 662-2300 Thomas M. Nies, President Private Total Sales FYE 9/82: \$54,000,000 Computer Services Offered: . Software Products . Professional Services

### Circle Computer Services

920 Remington Rd Schaumberg, 1L 60195 (312) 884-2424 Joe Conroy, President Private

Total Sales FYE 12/82: \$4,000,000 Est.

Cptr. Svcs. Revs. FYE 12/82: \$350,000 Est.

Computer Services Offered: • Turnkey Systems

### Circle Software Corporation

1100 31ST ST,Ste 240 Downers Grove, IL 60515 (312)960-2902 E Klemens, President

Private Computer Services Offered: • Software Products • Professional Services

### CISCO, Inc.

Acquired/merged with: National Data Corporation

# CISI Group

#### SUBSIDIARIES:

# CISInetwork Corporation

16625 Saticoy Street Van Nuys, CA 91406 (213) 781-8221 Bill Barancik, President Total Sales FYE 4/83; \$23,000,000 Est. Computer Services Offered: • Processing • Professional Services

# SUBSIDIARIES:

### Proprietary Computer Systems, Inc.

16625 Saticoy St. Van Nuys, CA 91406 (213) 781-8221 Bill Barancik, President Private Computer Services Offered: • Processing

# UNI-COLL Corporation

3401 Science Center Philadelphia, PA 19104 (215) 387-3890 James D. Gallagher, President Computer Services Offered: • Processing • Professional

#### CISInetwork Corporation See: CISI Group

### Citibank NA See: Citicorp

Citicorp 399 Park Avenue

New York, NY 10043 (212) 559-1000 Cptr. Svcs. Revs. FYE 12/81: \$47,500,000 Est. Computer Services Offered: • Processing

### SUBSIDIARIES:

# Citibank NA

399 Park Avenue New York, NY 10022 (212) 559-3230

#### SUBSIDIARIES:

#### Bankers Data Processing, Inc. 150 Tremont

Boston, MA 02111 (617)357-5670

# Citicorp Remote Computer Service - PG Data Center

Memory Lane Garrettsville, OH 44231 (216) 527-2108 David James, Vice President

### Colorado Computer Center, Inc. 1080 Cherokee

Denver, CO 80204 (303) 534-6622 L. R. Kintzele Jr., President Private

# Computer Professionals Unlimited, Inc.

16025 Northland Drive Southfield, M1 48075 (313) 557-5577 Ralph Klinck, President

# Financial Data Systems, Inc.

463 New Ballas Rd. S. St. Louis, MO 63141 (314)567-1940 William W. Canfield, President

### Intercontinental Computing, Inc.

10660 Mastin Overland Park, KS 66212 (913)541-9260 Jerry Baker, President

### Southwest Data Center

3903 Hartsdale Dr. Houston, TX 77063 (713)961-9055

#### DIVISIONS:

Citishare Corp. P.O. Box 1127 399 Park Ave, 21st Floor New York, NY 10043 L.W. English, Managing Director

# Citicorp Remote Computer Service - PG Data Center

See: Citicorp

#### Citishare Corp. See: Citicorp

### Citizens & Southern National Bank, Computer Services Div. 99 Annex

Atlanta, GA 30399 (408) 581-2289 Bennett Brown, Chairman

# Citizens Automated Systems

See: Citizens Savings Association

# Citizens Financial Corporation 7061 E. Pleasant Valley Rd.

Independence, OH 44131 (216) 447-1740 James P Cozzens, President Public Total Sales FYE 12/82: \$7,466,066 Computer Services Offered: • Processing

#### SUBSIDIARIES:

# Champion Service Corporation

19001 Villaview Drive Cleveland, OH 44119 (216) 692-3660 John R. Hall, President Computer Services Offered: • Processing

# Citizens National Bank Computer Services

Division See: Citizens National Bank

#### Citizens National Bank

### DIVISIONS:

### Citizens National Bank Computer Services Division

Landmark Mall Decatur, 1L 62525 (217) 424-2200 Private

### SUBSIDIARIES:

### Central Computing Company 250 North Water

Decatur, 1L 62525 (217) 428-2188 Ron Sheets, President Private

# Citizens Savings Association

#### DIVISIONS:

# Citizens Automated Systems

100 Central Plaza Canton, OH 44702 Canton, OH 44/02 (216) 452-9966 Larry W. Machan, General Manager Total Sales FYE 9/81: \$3,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

### Claritas

1911 N Fort Meyer Dr Arlington, VA 22209 (202)703-9220 Samuel G. Barton III, President Total Sales FYE 3/81: \$2,500,000 Est. Computer Services Offered: • Processing

# Clay Bernard Systems International

See: SPS Technology

# Directory of Computer Services Companies

### Clayton Associates

P.O. Box 90716 Los Angeles, CA 90009 (213) 670-2204 Billy B. Clayton, President

# Cliff Data Systems, Inc.

111 Kinderkamack Rd. River Edge, NJ 07661 (201) 489-2228 Paul H. Cohen, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Club Computers, Inc.

1015 Life of Georgia Tower Atlanta, GA 30308 (404) 892-0245

# Club Data Corporation

6760 Shady Oak Eden Prairie, MN 55344 (612) 941-0855

# Clyde Digital Systems, Inc. See: Clyde Enterprises, Inc.

# Clyde Enterprises, Inc.

DIVISIONS:

# Clyde Digital Systems, Inc.

P.O. Box 348 6 De Angelo Dr. Bedford, MA 01730 (617)275-6642 Allan R. Clyde, President

#### Coap Planning Company See: COAP Systems, Inc.

# COAP Systems, Inc.

175 I.U. Willets Road Albertson, NY 11507 (516) 484-1920 Carl G. Paffendorf, President

#### SUBSIDIARIES:

# Coap Planning Company

1 Plaza Rd. Greenvale, NY 11548 (516) 484-1920

# Coast Mailing Corporation

Sunnyvale, CA 94086 (408)733-6600 Michael Smith, President Private

### Coastal Information Systems, Inc. 15643 Sherman Way, Ste. 110

Van Nuys, CA 91406 (213) 787-8222 Allen Starczyk, President Total Sales FYE 12/82: \$750,000 Computer Services Offered: • Processing • Software Products • Professional Services

# Codase Inc.

502 Franklin Avenue Nutley, NJ 07110 (201) 235-1516 Leonard Centonze, Jr., President

### Cogito Data Systems

1101 State Rd, Bidg, T Princeton, NJ 08540 (605) 924-7200 Philip S, Abrams, President Private Total Sales FYE 10/83: \$15,000,000 Est.

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### Cole, Carter L. Company 6355 Topanga Canyon Blvd. Suite 407

Woodland Hills, CA 91367 (213) 882-5235 Carter L. Cole, President

### Cole, Layer, Trumble Company See: Day & Zimmerman, Inc.

# Collateral Investment Company

2100 First Avenue North Birmingham, AL 35203 (205) 252-1000 W. T. Ratliff, President Private

# Collateral Services Inc. See: Computer Resources

#### Collier-Jackson & Associates, Inc. 5406 Hoover Blvd.

Tampa, FL 33614
(813) 885-6621
Charles Jackson, President
Private
Total Sales FYE 12/81: \$4,450,000
Computer Services Offered: • Software Products • Turnkey
Systems

# Colonial Data Systems, Inc

Miami, FL 33138 (305)751-1304

# Colonial Mortgage Service Company

See: Philadelphia National Bank

### Colonial Penn Insurance

### SUBSIDIARIES:

# Real Estate Data

2398 NW 119th St Miami, FL 33167 (305) 685-5731 Jim Metcalf, President Total Sales FYE 12/82: \$27,000,000 Est. Computer Services Offered: . Processing

#### Colorado Computer Center, Inc. See: Citicorp

# Columbia Computing Services, Ltd.

1132 Hamilton 5 Vancouver, BC B6B2S (604) 688-8501 Jim Lenobel, President Private

#### SUBSIDIARIES:

# Columbia Computing Services Inc.

8611 S. 212th St. Kent, WA 98031 (206)872-0283

### Columbia Computing Services Inc. See: Columbia Computing Services, Ltd.

### Com Code Corporation 3989 Research Park Blvd

Ann Arbor, MI 48104 (313)665-8811 Charles Hoffgartner, President Total Sales FYE 12/82: \$500,000 Est. Computer Services Offered: • Software Products

# COM Services Inc.

See: Capcom Systems, Inc.

#### Comarco, Inc. 100 Cerritos Ave., W.

Anaheim, CA 92805 (714)535-2464 Howard Sommer, President Total Sales FYE 12/81: \$11,679,000 Cptr. Svcs. Revs. FYE 12/81: \$4,000,000

Computer Services Offered: 

Processing 

Software Products

# Combined International Corp

#### SURSIDIARIES:

### Neshaminy Valley Information Processing Inc. (NVIP)

4850 Street Road Trevose, PA 19049 Trevose, PA 19049 (215) 322-2285 Robert J. Werner, President Total Sales FYE 12/82: \$30,638,000 Cptr. Svcs. Revs. FYE 12/82: \$18,638,000

Computer Services Offered: • Processing

# Comchea Services Ltd

499 Portage Ave Winnipeg, MB R3B2E (204)786-6481 William Loewen, President Computer Services Offered: • Processing • Software Products

# Comcorp Data Systems Inc.

459 West 15th St. New York, NY 10001 (212) 242-1879 Gary N. Comorau, President

### Comdata Network, Inc.

P.O. Box 15822 2209 Crestmoor Rd. Nashville, TN 37215 (615)385-0400 C.W. Harter, Jr., President Total Sales FYE 12/82: \$26,483,000 Computer Services Offered: • Processing

# Comm-Pro Associates

350 N Sepulveda Blvd,Ste 10 Manhattan Beach, CA 90266 (213)376-1344 Steve Dubow, Partner Private Total Sales FYE 7/82: \$1,000,000 Computer Services Offered: • Software Products • Professional Services

# Command Control & Communications

Corporation 23670 Hawthorne Blvd. Torrance, CA 90505 (213) 325-6883 Malcom K. Beyer, Jr., President Private Cptr. Svcs. Revs. FYE 8/82: \$18,000,000 Computer Services Offered: • Professional Services

# Commerce Clearing House

#### SUBSIDIARIES:

CCH Computax Inc. 21535 Hawthorne Blvd Metro Bank Bldg Torrance, CA 90503

(213)540-3881 Thomas G. Rolfe, President Total Sales FYE 12/82; \$104,494,000 Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

#### CCH Computax Systems, Inc. 7471 University Ave La Mesa, CA 92041

Commerce General Corp. See: National Bank of Commerce

# Directory of Computer Services Companies

# Commercial Bank & Trust Co., Computer

Services Div. P.O. Box 1000

Paris, TN 38242 (901) 642-3341 S.G. Campbell, President

Private

Commercial Commuter Service

Commercial Computer Services, Inc. 3000 Dundee Rd. Suite 402

Northbrook, IL 60062 (312) 480-9880 Stuart Katz, President Private

Commercial Computer Services Inc. 309 West 7th Street

Fort Worth, TX 76102 (817) 335-6411 W. Clark Martin Jr., President Private

Commercial Data Corp. 5100 NW 9th Ave.

Fort Lauderdale, FL 33309 (305) 491-5121 Rene Barcelo, President

Computer Services Offered: • Processing • Software Products

Commercial Data Services Inc.

320 Glynn St, N P O Box 216 Fayetteville, GA 30214 (404)461-6083

Commercial Products Group

3 Perimeter Rd. Manchester, NH 03103 (603)625-4750

Commercial Programming Services Inc

7400 Metro Blvd Minneapolis, MN 55435 (612)471-8448 Computer Services Offered: • Software Products

Commercial Resources 400 South Main Street

Naperville, IL 60540 (312) 357-1800 Al Schuster, President Private Total Sales FYE 12/82: \$3,000,000

Total Sales FYE 12/82: \$3,000,000 Computer Services Offered: • Processing

Commercial Software Inc.

420 Lexington Avenue New York NY 10070 (212) 490-0654 Anthony Abbott, President

Commercial Systems Corp.

P.O. Box 2338 Auburn, AL 36830 (205) 821-1117 Commercial Systems, Inc. See: Computer Services, Inc.

Commercial Timesharing Inc

PO Box 1653 Akron, OH 44309 (216)253-6420

Computer Services Offered: • Software Products

Commercial Union Leasing Corp.

New York, NY 10022 (212) 644-0920 Samuel J. Dressler, President

Commodity Information Services Company

327 LaSalle Suite 800 Chicago, IL 60604 (312) 922-3661 Computer Services Offered: • Processing

Commodity Research Institute

DIVISIONS:

CRI

2570 El Camino Real
Mt. View, CA 94040
(415) 941-4646
Richard F. Dumas, President
Total Sales FVE 7/81: \$825,000 Est.
Computer Services Offered: • Processing • Software
Products

Commonwealth Bank & Trust Co.

Computer Services Division 101 West 3rd St Williamsport, PA 17701 (717) 323-8611 William Davis, President Private

Communication Controls, Inc 6200 Gulf Frwy, Ste 205A

6200 Gulf Frwy, Ste Houston, TX 77023 (713)644-9094

Communications Computer Services Inc

Dallas, TX 75243 (214)238-9606 Bob Powell, President

Private

Computer Services Offered: • Processing

Communications Concepts

1044 Pulinski Dr. Ivyland, PA 18974 (215) 672-6900

# Communications Processing Group Inc.

1180 Ave of the Americas New York, NY 10036 (212)354-2211

Computer Services Offered: • Processing • Software Products . Turnkey Systems

### Communications Solutions Inc.

See: VisiCorp

## Community Computer Corporation

185 West School House Lane Philadelphia, PA 19144 (215) 849-1200 Ernest L. Philips, President

Private

# Comnet Corporation

Acquired/merged with: Comdata Network, Inc.

# Comp Act Data Systems Inc.

14849 Magnolia Sherman Oaks, CA 91403 (213) 783-8245 Patrick Conti, President Private

### Comp Info Inc. 1860 Broadway

New York, NY 10023 (212) 246-7340 Yiorgas Athanassatos, President Private Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Comp-Tron Inc.

1035 North Calvert Street Baltimore, MD 21202 (301) 752-3728 August Noack, President

### Comp-U-Card International Inc.

777 Summer Street Stamford, CT 06901 (203) 324-9261 Walter A. Forbes, President Public Total Sales FYE 1/83: \$4,156,000 Cptr. Svcs. Revs. FYE 1/83: \$1,663,000 Est. Computer Services Offered: • Processing

#### SUBSIDIARIES:

### CUC Insurance Services 777 Summer St

Stamford, CT 06901 (203)324-9261 Rebecca Maddox, President Computer Services Offered: • Processing

#### Comp-U-Staff Inc 1 Investment Place, Ste 413 Towson, MD 21204 (301)828-0788

Hank Post, President Computer Services Offered: • Professional Services

# Compac Systems Inc.

59 E. Cunningham Dr. Palatine, IL 60067 (312) 359-8566

# Compagnie Generale De Geophysique

#### SUBSIDIARIES:

Georex Inc.

1 Park Central, Suite 354 1515 Arapahoe Street Denver, CO 80202

#### SUBSIDIARIES:

# CGG Data Processing Service Inc

1475 Lawrence Street 4th Floor Denver, C0 80202 (303) 825-2277 Cptr. Svcs. Revs. FYE 12/82: \$30,000,000 Est. Computer Services Offered: . Processing . Software

### Compata, Inc.

See: Recognition Equipment Corp.

Compdata See: Comprehensive Design, Inc. (CDI)

### Compeda Inc. See: Prime Computer Inc.

# Complete Computer Systems

159 Gibraltar Rd. Horsham, PA 19044 (215) 441-4200 Paul H. Plotnick, President Total Sales FYE 1/82: \$1,000,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Complex Systems Inc

130 Cedar St New York, NY 10006 (212)766-4324 Gad Janay, Principal Owner Total Sales FYE 7/82: \$2,500,000

# Comprehensive Design, Inc. (CDI)

### SUBSIDIARIES:

# Compdata

161 Highland Avenue Needham, MA 02194 (617) 444-8350

# Directory of Computer Services Companies

# Comprehensive Tax Systems

See: Computer Services Associates

# Comptek Research Inc.

45 Oak St One Technology Center Buffalo, NY 14203 (716)842-2700 William K. La Sala, President

Private

Total Sales FYE 3/83: \$16,815,000 Cptr. Svcs. Revs. FYE 3/83: \$16,600,000 Computer Services Offered: • Professional Services • Turnkey Systems

### Compu-Center Company Inc.

312 Kentucky, Ste A Bakersfield, CA 93305 (805) 323-8248 John E. Riehl, President Private

### Compu-Center, Inc.

4122 Nicklaus Corpus Christi TX 78413 (512) 883-6515

# Compu-Link Corporation See: Beverley Enterprises

Compu-Share, Inc

3824 50th Street Lubbock, TX 79413 (806)792-3785

Marvin Crossnoe, President

Private
Total Sales FYE 12/81: \$1,300,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

# Compu-Systems Corporation See: Renard Manufacturing

Compu-Tome, Inc 668 S Sunset Ave

West Covina, CA 91790 (213)960-2895 Computer Services Offered: • Software Products

# Compu/Think

965 West Maude Ave. Sunnyvale, CA 94086 (408) 245-4033 Steven Magee, President Private

#### Compugate Inc

Compucare, Inc. 8200 Greensboro Dr. McLean, VA 22102 (703) 821-8858 Ron Aparhaimian, President Public

Total Sales FYE 12/82: \$21,060,000

Computer Services Offered: • Processing • Software

Products • Professional Services

#### Compucheck P.O. Box 673 Southfield, MI 48037

Southfield, M1 48037 (313) 569-1448 Ronald T. Hill, President Public Total Sales FYE 11/82: \$5,000,000 Computer Services Offered: • Processing

Compucon

# See: Niclsen, A.C. Company

Compudata Inc.

1654 Riverdale Street West Springfield, MA 01089 (413) 737-1950 Marie Barch, President Private

# Compudata Inc.

One Bala Cynwyd Plaza Bala Cynwyd, PA 19004 (215) 667-6843

#### Compudata Systems, Inc. 772 Post Road East

772 Post Road East Westport, CT 06880 (203) 226-4791 Paul Mastroni, President Private

# Compufact

I430 South Village Way Suite M Santa Ana, CA 92705 (714) 972-2009 Bob Pilha, President Private Total Sales FYE 12/83: \$5,000,000 Est. Computer Services Offered: • Software Products • Turnkey Computer Services Offered: • Software Products • Turnkey

# Compuline Data Systems

1424 K Street, N.W. Washington, DC 20005 (202)783-2036 Computer Services Offered: • Processing

### Compumatic Business Services 327 S. LaSalle Street

Chicago, 1L 60604 (312) 922-9422 Louis Morgan, President Private

#### Compumax Associates Inc. PO Box 7239

Menlo Park, CA 94026 (415)854-6700 Tom Bun, President Private Touts Sales FYE 12/81; \$700,000 Est. Computer Services Offered: • Software Products

### SUBSIDIARIES:

University Software P.O. Box 4544 Stanford, CA 94305 (415)323-3365 Tom Bun, President

# CompuMed/Systemedics

753 Boulevard Kenilworth, NJ 07033 (201) 241-5563 Total Sales FYE 12/82: \$15,000,000 Computer Services Offered: • Processing

# Compupower Corporation See: Bernhard, Arnold & Co., Inc.

CompuServe Incorporated

See: H & R Block

# CompuServe Network Services

CompuShop
13929 Central Expwy. N Keystone Park
Dallas, TX 75201
(214)234-5412
Computer Services Offered: • Software Products

# Compuslide Inc.

1801 Century Park East Suite 1221 Los Angeles, CA 90067 (213) 556-2447

# Computab Inc.

700 Bishop St, Ste 206
Honolulu, HJ 08613
(808) 521-4734
Dennis W. Fitzgerald, Chairman
Private
Total Sales FYE 3/81: \$7,000,000
Computer Services Offered: • Processing • Professional
Services

# Computation Planning, Inc.

7840 Aberdeen Road Suite 600 Bethesda, MD 20014 (301) 654-1800 Herbert S. Bright, President rivate

Weathersfield, CT 06109

#### Computek 1177 Silas Deane

(203) 721-1096
Edward Caputo, President
Private
Total Sales FYE 6/82: \$2,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

# Computek Computing Corporation

7489 46th Pl., E.
Tulsa, OK 74145
[918)622-57esident
Total Sales FYE 3/81: \$2,078,776
Computer Services Offered: • Processing • Turnkey
Systems

# Computer Accounting Systems Inc. P.O. Box 1154

Tacoma, WA 98401 (206) 272-7350 David Morris, President Private

# Computer Aided Manufacturing-

International, Inc (CAM-I)
611 Ryan Plaza Dr, Ste 1107
Arlington, TX 76011
(817)860-1654
Computer Services Offered: • Software Products

# Computer Application Systems Inc.

1340 Neptune Dr.
Boynton Beach, FL 33435
(305)736-3500
James D. Baker, President
Private
Total Sales FYE 6/83: \$1,000,000
Computer Services Offered: • Turnkcy Systems

# Computer Applied Systems Inc.

497 Hill Street
York, PA 17403
(717) 848-2431
Clyde R. Snyder, President
Private
Total Sales FYE 9/82: \$518,000
Computer Services Offered: • Processing • Turnkey
Systems

# Computer Assistance International Inc.

200 Park Rd.
West Hartford, CT 06119
(203) 233-9848
Thomas P, McDonagh, Jr., President
Public
Total Sales FYE 1/83: \$13.681,391
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Computer Assistance, Inc. 759 Stouffer Ave. P.O. Box 412

Chambersberg, PA 17201 (717) 263-5909 William H. Kelly, President Private

# Computer Associates International, Inc.,

125 Jericho Turnpike
Jericho, NY 11753
(516)333-61700
Charles B. Wang, President
Public
Total Sales FYE 3/83: \$58,148,000
Computer Services Offered: \* Software Products

# DIVISIONS:

# Information Unlimited Software Inc. (IUS)

2401 Marinship Way Sausalito, CA (415) (415)525-9452 Stefan Bothe, President Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### Computer Associates Inc. 1814 South Main St. PO Box 328 A South Bend, IN 46624

(219) 232-7921 James A. Gross, President

Private Total Sales FYE 2/82: \$600,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

# Computer Associates Inc.

1318 South 200 West Salt Lake City, UT 84115 (801) 487-1391 Cecil Bohn, President

# Computer Automation, Inc. Naked Mini

18651 Von Karman Ave. Irvine, CA 92714 (714) 833-8830

# Computer Bugs (The)

P.O. Box 789 Boynton Beach, FL 33435 (305) 737-4738 James G. Baker, Owner Private

# Computer Center 366 U.S. Route 1 Box 941 Falmouth, ME 04105

(207) 781-2260 John Marr, President Private

# Computer Center Inc.

423 West Monument Street Baltimore, MD 21201 (301) 728-3883 Jerome Markman, President Private

# Computer Center Inc.

433 Valley Ave. Birmingham, AL 35209 (205) 942-8567 Terry Woodward, President

Computer Center Inc. of Miami 13950 N.W. 45th Ave PO Box 285 Opa Locka, FL 33054 (305)687-1234 Frank Nichols, President Total Sales FYE 12/82: \$700,000 Est. Computer Services Offered: • Processing

#### DIVISIONS:

# Computer Expertise, Inc. 13950 NW 45th Ave

Opa Locka, FL 33054 (305)687-1234 Frank Nichols, President

# Computer Company (The)

1905 Westmoreland Street Richmond, VA 23230 (804) 358-2171 Walter R.T. Witschey, President Public Total Sales FYE 3/83: \$32,157,000 Est. Cptr. Svcs. Revs. FYE 3/83: \$30,157,000 Est. Computer Services Offered: • Processing

# Computer Composition International

See: Aarkus Stistsdogtrykkeri

Computer Concepts & Services Inc. P.O. Box 1082 2625 Clearwater Road St. Cloud, MN 56302 (612) 253-2170 Daniel J. Brennan, President Total Sales FYE 10/81; \$5,000,000 Computer Services Offered: • Professional Services

### SUBSIDIARIES:

Computer Solutions, Inc. P.O. Box 1082 2625 Clearwater Rd. St. Cloud, MN 56301 (612) 253-2170 Daniel J. Brennan, President

Computer Concepts Inc. 6443 SW Beaverton Highway Portland, OR 97221 (503) 297-4741 Don Weidenweber, President

# Computer Consoles, Inc.

97 Humboldt Street Rochester, NY 14609 (716) 482-5000 Vaemond H. Crane, President Public Total Sales FYE 12/82: \$63,280,000 Cptr. Svcs. Revs. FYE 12/82: \$49,309,000 Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

# RLG Corporation

1760 Reston Avenue Suite 508 Reston, VA 22090 (703) 471-6860 William C. Mallonce, President Computer Services Offered: 

Processing Software Products Professional Services Turnkey Systems

# Computer Consultants Company 813 S. Washington Forrest City, AR 72335 (501)633-2111

### Computer Contractors Assn., Inc.

DIVISIONS:

Cappelletti, John Associates 220 Glenoaks Blvd N,Ste D Burbank, CA 91052 (213)846-7552 John Cappelletti, President

# Computer Controls Inc.

1430 Empire Center Suite 130 Dallas, TX 74527 (214) 634-0936

Computer Services Offered: • Processing • Software Products

# Computer Corporation of America, Inc.

Cambridge, MA 02139 (617)492-8860 Thomas Marill, PH.D., President Private

Private
Total Sales FYE 12/82: \$13,000,000 Est.

Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Computer Corral 23011 Moulton Pkwy, Ste G-6

805 Inman Avenue

Laguna Hills, CA 92653 (714)855-9496 Computer Services Offered: • Software Products

# Computer Cost Control Corporation

Colonia, NJ 07067 (201) 383-560 Jay C. Butler, President Private Total Sales FYE 12/83: \$500,000 Cptr. Sves. Revs. FYE 12/83: \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Computer Covenant Corporation
Farmington Common 790 Farmington Avenue

Farmington, CT 06032 (203) 677-6563 Arthur Martin, President Private Cotal Sales FYE 6/81: \$500,000 Cptr. Sves. Revs. FYE 6/81: \$300,000 Computer Services Offered: • \$0ftware Products

# Computer Curriculum Corporation

1070 Arastradero Rd
Palo Alto, CA 94043
(415) 4944840
Patrick Suppes, President
Private
Total Sales FYE 3/83: \$15,000,000 Est.
Computer Services Offered: • Turnkey Systems

# Computer Data Access Inc. (CDA)

1373 Broad St. Clifton, NJ 07011 (201) 473-4700 Eric Ruttenberg, President

Total Sales FYE 12/81: \$3,000,000

# Computer Data Processing Inc. 731 Dalworth PO Box 1259 Grand Prairie, TX 75051 (214) 263-4591

M.W. Procell, President
Private
Total Sales FYE 12/82: \$2,200,000 Est.
Computer Services Offered: 

Processing

#### Computer Data Services Inc. 9224 Compton Park

Cincinnati, OH 45231 (513) 931-1090 Ron Messerle, President

# Computer Data Systems, Inc. 7315 Wisconsin Avenue

Bethesda, MD 20814 (301) 657-1730 Clifford M. Kendall, President Public Total Sales FYE 6/83: \$40,533,400 Computer Services Offered: • Processing • Professional

# Computer Delight

15326 Sherman Way Suite 120 Van Nuys, CA 91406 (213) 787-2354 Dave Childs, Chairman

### Computer Designed Systems Inc.

John Observation of the Computer Session Memorial Hwy.
Minneapolis, MN 55391
(612) 545-2855
Gregory T. Pulos, President
Private
Total Sales FYE 8/82; \$1,895,972
Computer Services Offered: \* Turnkey Systems

# Computer Directions Advisors Inc. (CDA)

IIS01 Georgia Ave.
Silver Spring, MD 20902
(301) 942-1700
Robert A. Levy, President
Private
Total Sales FYE 12/82: \$1,000,000 Est.
Computer Services Offered: • Processing • Software
Products

#### Computer Dynamics Inc. See: Central Banking System

### Computer Dynamics Inc. 20300 Civic Center Dr. Suite 201 Southfield, MI 48076

Southfield, MI 48076 (313) 357-4200 Robert A. Jones, President Private Total Sales FYE 9/81: \$3,200,000 Computer Services Offered: • Professional Services

# Computer Dynamics Inc.

4044 South 28th St. Arlington, VA 22206 (703) 578-3000 Edward A. Singer, President Private

SUBSIDIARIES:

# Network Technology Inc.

Arlington, VA 22206 (703) 578-3000 Edward A. Singer, President

# Directory of Computer Services Companies

# Computer Expertise, Inc.

See: Computer Center Inc. of Miami

# Computer Generation Inc.

3301 Buckeye Road Atlanta, GA 30341

(404) 458-2371 Jackie Ward, President

Private

Total Sales FYE 10/81: \$3,250,000 Est. Computer Services Offered: • Professional Services •

Turnkey Systems

# Computer Horizons Corp.

747 Third Avenue New York, NY 10017

(212) 371-9600 John J. Cassesc, President

Public

Total Sales FYE 2/83: \$20,349,000

Computer Services Offered: • Professional Services

# Computer House

See: Computer Mailing Inc.

# Computer Income Planning Corp.

122 E 42nd St. New York, NY 10168 (212) 867-4890

Robert Remick, President

Computer Services Offered: • Processing • Turnkey

### Computer Industries Corp

See: Control Data Corporation

### Computer Information Service Inc.

Acquired by/merged with: ADP Brokerage Services Division

### Computer Innovations

55 E. Jackson Chicago, IL 60604 (312) 663-5930 Joseph Mill, President

Private Total Sales FYE 12/81: \$2,000,000 Est.

Computer Services Offered: • Processing • Software Products . Professional Services

### Computer Input Corporation

1840 S. Elena Redondo Beach, CA 90277 (213) 372-2177

John Bradley, President

Total Sales FYE 12/82: \$6,750,000

Computer Services Offered: \* Processing \* Software Products • Professional Services • Turnkey Systems

#### Computer Input Services, Inc 6910 Market St

Upper Darby, PA 19802 (215)352-5924

Robert E DeBaisse, President

Total Sales FYE 7/82: \$12,923,000 Computer Services Offered: • Processing • Professional

# Computer Interactions

P.O. Box 1354 Roslyn Heights, NY 11577 (516)365-9833

# Computer Investors Group Inc.

181 E Halsey Rd Parsippany, NJ 07054 (201)428-9393 George Stacksleth, President

Computer Laboratory Inc., The

915 Elmwood Avc. Evanston, IL 60202 (312) 864-6603

Jerry Heydemann, President Private

# Computer Language Research, Inc.

2395 Midway Rd. Carrollton, TX 75006 (214) 934-7000

Stephen T. Winn, President

Public Total Sales FYE 12/82: \$68,985,443 Computer Services Offered: • Processing • Software

# Computer Mailing Inc.

DIVISIONS:

# Computer House

3006 Holmes Kansas City, MO 64109 (816) 756-1111 Truman Sloan, Chairman

### Computer Management Corporation

4900 Waters Edge Drive Raleigh, NC 27606 (919) 851-7300 James Barnhill, President

Private Total Sales FYE 3/81: \$2,000,000

Computer Services Offered: . Processing . Software Products . Turnkey Systems

### Computer Management Dynamics, Inc 1040 Waltham St

Lexington, MA 02173 (617)862-8092

Computer Services Offered: • Software Products

Computer Management Services 234 S.W. Bancroft Portland, OR 97201 (503) 227-0600 John Chaney, President

# Computer Mart of New Jersey, Inc. See: Prodigy Systems Inc.

# Computer Methods Inc.

Milwaukee, W1 53227 (414) 327-4471

# Computer Mind Corporation

521 Fifth Avenue New York, NY 10175 (212)484-3423 Peter Marchetti, President

### Computer Network Corporation (COMNET)

5185 MacArthur Blvd. NW
Washington, DC 20016
(202) 537-2500
Lee E. Johnson, President
Public
Total Sales FYE 3/83: \$14,483,000
Computer Services Offered: • Processing • Software

Products • Professional Services

#### DIVISIONS

# Data Systems Consulting Corporation 5 West 34Th St.9Th Floor

New York, NY 10001 (212)947-1321 Daniel L O'Leary, Vice President

Computer Services Offered: • Processing

Computer Output Microfilm

See: Computer Systems Company Inc.

# Computer Packages Inc.

414 Hungerford Dr. Rockville, MD 20850 (301) 424-8890 Jerrold A. Van Winter, President Private

### Computer Partners, Inc.

I University Park
Waltham, MA 02254
(617) 647-0116
Frank Sola, President
Private
Computer Services Offered: • Professional Services

# Computer Pathways Unlimited, Inc. PO Box 13186

Salem, OR 97309 (503) 363-8929 William Duke Morton, President

# Computer Pictures

Merged with: Cullinet Software, Inc.

### Computer Power Inc. See: Chase Manhattan Bank, N.A.

# Computer Prepared Accounts, Inc. 3350 Scott Blvd., Bldg. 56

Santa Clara, CA 95050 (408) 727-8866 Marvin Paller, President Private

# Computer Procedures Corp.

819 N. Bethlehem Pike Sringhouse, PA 19477 (215) 646-1122 Joseph A. Martinez Jr., President Private Total Sales FYE 12/82: \$500,000 Computer Services Offered: • Processing

# Computer Processing Company

2852 South Avenue Toledo, OH 43609 (419) 382-3301 John Peters, President Private

# Computer Processing Institute

809 Main Street
East Hartford, CT 06108
(203) 528-3716
Carl F Simmons, Ph.D., President
Total Sales FYE 12/82: \$12,000,000 Est.
Computer Services Offered: • Professional Services

# Computer Professionals Unlimited, Inc. See: Citicorp

# Computer Professionals Inc. 11 Regency Hills Drive Suite 200

Greenville, SC 29607 (803) 268-3911 E. Grove, President

#### Computer Research Company See: Comshare, Inc.

### Computer Research Inc.

See: Petroleum Information Corporation

# Computer Research, Inc. 2 Airport Office Park 400 Rouser Rd.

Coraopolis, PA 15108 (412) 262-4430 James L. Schultz, President Public Total Sales FYE 8/82: \$3,508,592 Cptr. Sves. Revs. FYE 8/82: \$2,966,607 Computer Services Offered: • Processing

### DIVISIONS:

### Eagle Systems

1825 Lawrence Street
Denver, CO 80202
(303) 297-9200
Computer Services Offered: • Processing

# Directory of Computer Services Companies

# Computer Resource Services Inc.

6501 North Black Canyon Phoenix, AZ 85015 (602) 242-9121 Robert A. Sommer, President

Computer Resources

5680 South Syracuse Cr. Suite 118 Englewood, CO 80111 (303) 771-8930 Mike Niernburg, President Private

#### SURSIDIARIES

Collateral Services Inc.

5680 South Syracuse Circle Suite 118 Englewood, CO 80111 (303) 771-2120 Fred Frazier, President

Computer Resources

2570 El Camino Real Mountain View, CA 94040 (415) 941-4646 Dick Dumas, President Private

### Computer Resources International

1401 Hudson Lane, Ste 220
Monroe, LA 7101
(318) 387-2363.
Glen Gordon, President
Private
Total Sales FYE 12/82: \$1,000,000 Est,
Computer Services Offered: \* Software Products \* Turnkey
Systems

### Computer Resources Corporation

P.Ö. Box 1478 Walla Walla, WA 99362 (509) 525-1251 Richard Smiley, President Private

### Computer Resources Inc.

400 South Pleasantburg Dr Greenville, SC 29607 (803) 235-8508

#### SUBSIDIARIES:

Computerecords Inc.

2700 Middleburg Plaza P.O. Box 12 Columbia, SC 29202 (803) 799-4094 R.O. Grant Jr., President Private

#### SUBSIDIARIES:

Digital Systems Inc.

P.O. Box 12 Columbia, SC 29202 (803) 799-4094 R.O. Grant, President

### Computer Resources Of America

Name Changed To: Computer Resources International

### Computer Results

445 Tenth St.
Toledo, OH 43634
(419) 255-1915
Gerald T. Carter, President
Private
Total Sales FYE 6/81: \$355,000
Computer Services Offered: • Processing • Professional
Services

### Computer Sciences Corporation

550 North Sepulveds Blvd.
El Segundo. CA 90245
(213) 615-0311
William R. Hoover, President
Public
Total Sales PFE 4/83: \$694.914.000
Computer Services Offered: \* Processing \* Professional
Services \* Turkey Systems

#### SUBSIDIARIES:

### Associated Credit Services

2505 Fannin Houston, TX 77002 (713)652-3434 Robert Binger, President Computer Services Offered: • Processing

### CMS Industries Inc.

5550 Harbor Street Los Angeles, CA 90040 (213) 685-7381 Toshio Nakahiro, President

#### Paid Prescriptions Inc. 235 Frisch Court P.O. Box 434 Paramus. NJ 07652

Paramus, NJ 07652 (201) 845-9000 R.W. Forsyth, President

## Computer Security Corporation

100 Ellison Ave Bronxville, NY 10708 (914) 779-7000 William Drewes, President Private

# Computer Service & Management

Consultants Inc. 21243 Ventura Blvd. Suite 226 Woodland Hills, CA 91364 (213) 347-2561

# Computer Service Consultants Inc. 37 Jefferson Blvd.

Warwick, RI 02888 (401) 785-0300 Gordon Wilmot, President Private

# Computer Service Inc.

300 North State Street Chicago, IL 60610 (312) 644-1630 Michael Eiben, President

# Computer Services Associates

5707 Redwood Rd. PO Box 13172 Oakland, CA 94619 (415) 763-2500 Donald B. Mulvey, President Total Sales FYE 6/82: \$2,000,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

# Comprehensive Tax Systems 5707 Redwood Rd.

Oakland, CA 94619 (415)482-4500

### Computer Services by Arens

435-A Diamond Ave, E Gaithersburg, MD 20760 (301)258-0970 Computer Services Offered: • Software Products

### Computer Services Corporation 200 Bank for Savings Bldg.

Birmingham, AL 35203 (205) 320-6900 Roland B. Smith, President Total Sales FYE 12/81: \$2,672,101 Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Computer Services Corporation

905 Blvd. East Weehawken, NJ 07087 (201) 866-2880

### Computer Services, Inc.

3027 Washington Avenue Racine, W1 53405 (414) 637-8391 David Buhler, President Private

#### SUBSIDIARIES:

### Time-Sharing Systems Inc.

2150 North Prospect Avenue Milwaukee, W1 53202 (414)933-2646 David Buchler, President Total Sales FYE 6/81: \$900,000 Computer Services Offered: • Processing

# Computer Services, Inc. 1301 Broadway P.O. Box 60 Paducah, KY 42001

(502) 442-7361 John P. Williams, Chief Executive Officer Public Total Sales FYE 2/83: \$8,765,612 Cptr. Svcs. Revs. FYE 2/83: \$8,574,332 Computer Services Offered: • Processing

#### SUBSIDIARIES:

Commercial Systems, Inc. 1632 Kentucky Ave. P.O. Box 60 Paducah, KY 42001 (502) 442-7361 Louis F. Kirchhoff, President Computer Services Offered: • Processing

### Computer Sharing Corporation

7851 Metro Parkway Minneapolis, MN 55450 (612)726-7794 Duane Schley, President

### Computer Sharing Inc.

P.O. Box 1403 Shreveport, LA 71164 (318) 869-3505 Lloyd D. Burns, President Private

#### Computer Sharing Services Inc. See: Rio Grande Industries

#### Computer Software Company, The See: Nixdorf Computer Software Company

### Computer Software Design Name changed to: Global Data/CSD

# Computer Software Development Company

16776 Bernardo Center Drive Suite 205 San Diego, CA 92129 (714) 487-2232 John R. Fall, President Private

# Computer Software Services Inc. (CSSI)

6000 Building Suite 2903 Chattanooga, TN 37411 (615) 892-8110 Mark Cochran, President

# Computer Software Unlimited 1806 Malabar Dr.

Memphis, TN 38138 (901) 754-8332 Michael A. Pfaff, President

# Computer Solutions 50 Washington Terrace

East Orange, NJ 07017 (201) 672-6000 Gerald Heath, President Private

# Directory of Computer Services Companies

# Computer Solutions, Inc.

See: Computer Concepts & Services Inc.

# Computer Support Systems

Box 2134 Mankato, MN 56001 (507) 625-2205

# Computer Synergy, Inc.

2201 Broadway, Rm. 419 Oakland, CA 94612 (415) 444-3434

Thomas J. Culligan, President

Private
Total Sales FYE 6/81: \$3,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

### Computer System Architects, Inc.

30 Brattal St. Cambridge, MA 02138 (617) 876-2666 John Thron, President Private

#### SUBSIDIARIES:

# Programart Corporation

30 Brattle Cambridge, MA 02138 (617) 661-3020 Gilbert F. Curtis, President

# Computer System Programming for the Fashion World Inc.

2300 Stemmons Frwy Dallas, TX 75234 (214)631-4244

Computer Services Offered: • Processing

# Computer Systems International Inc.

See: Business and Technological Systems, Inc.

### Computer Systems Development, Inc.

140 Mayhew Way Suite 700 Pleasant Hill, CA 94523 (415)930-9932 David Sabosky, President rivate

Total Sales FYE 10/81: \$3,500,000 Computer Services Offered: • Professional Services

### Computer Systems Company Inc. 7550 Lucerne Dr

Middleburg Heights, OH 44130 (216) 234-4100 William F. Zimmerman, President Private SUBSIDIARIES:

### Computer Output Microfilm

Memory Lane Garrettsville, OH 44231 (216) 562-5583 William Zimmerman, President

### Retail Information Systems, Inc.

7550 Lucerne Dr Middleburg Heights, OH 44130 (216) 234-4100 William Zimmerman, President

#### Computer Systems Consultants 3732 N. Cherry

3732 N. Cherry Tucson, AZ 85719 (602) 326-5482

# Computer Systems Design Inc.

350 Sansome San Francisco, CA 94104 (415) 445-8600

SUBSIDIARIES:

### Generation Sciences International

425 Battery St. San Francisco, CA 94111 (415)445-8620 Kim Jones, President

### Genesys International

425 Battery St. San Francisco, CA 94104 (415)445-8600 Kim Jones, President

# Computer Systems Engineering

Burlington, MA 01803 (617) 272-4348 Norman McKinnon, President Private Total Sales FYE 12/81: \$4,500,000 Est.

Total Sales FYE 12/81: \$4,500,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$1,800,000 Est. Computer Services Offered: • Turnkey Systems

#### Computer Systems Group, Inc 300 Laird St PO Box 1385

Wilkes-Barre, PA 18703 (717)824-9868 Paul Gozick, President Total Sales FYE 12/81: \$400,000 Est. Computer Services Offered: • Turnkey Systems

### Computer Systems Research, Inc.

195 Main St., W PO Box 45 Avon, CT 06001 (203)678-1212 Michael L. Daversa, President

# Computer Task Group Inc.

800 Delaware Ave. Buffalo, NY 14209 (716) 882-8000 David N. Campbell, President

Total Sales FYE 12/82: \$40,116,000

Cptr. Svcs. Revs. FYE 12/82: \$39,462,000
Computer Services Offered: 
Processing • Software
Products • Professional Services • Turnkey Systems

# Computer Tax Service Inc

# DIVISIONS:

**CPAids** 

1640 Franklin Ave. Kent, OH 44240 (216) 678-9015 Andrew Rosenberg, President Total Sales FYE 8/81: \$1,000,000 Computer Services Offered: • Software Products • Turnkey

Computer Techniques 1015 N. Main Ave. Scranton, PA 18504 (717) 342-7495 Frank Suraci III, President Private

#### Computer Technology Associates 118 Castallano

El Paso, TX 79912 (915) 581-3500 Steve Kadner, President Private

Private
Total Sales FYE 12/82; \$5,000,000 Est.
Cptr. Svcs. Revs. FYE 12/82; \$1,500,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

# Computer Time Services

4546 Beltway Dr. Dallas, TX 75234 (214)385-9525

Computer Services Offered: • Processing

# Computer Usage Corporation 150 4th Street, Ste. 600 Suite 650 San Francisco, CA 94013

(415) 543-3940 Victor Bartoletti, President

Public Total Sales FYE 9/82: \$7,985,659 Computer Services Offered: • Processing • Turnkey Systems

### Computer Utilities of Cleveland

3767 Chester Ave. Cleveland, OH 44114 (216) 361-3300

# Computer Utilities of Orlando 2600 E. Livingston St. Orlando, FL 32803

(305) 894-8113

# Computer Visuals

3 Westchester Plaza Elmsford, NY 10523 (914) 592-8322

#### Computer-Ease Inc. 5725 Buford Hwy., Ste. 222 Atlanta, GA 30340

(404)458-0333

# Computer-Time Corporation

P.O. Box 485 Morrison, CO 80465 (303) 697-4750 Pete Hilgeman, President Private

#### Computer/Technology Consulting 12742 Leander Drive

Los Altos Hills, CA 94022 J.H. Geers, President

# ComputerAided Design Resources, Inc.

See: Bishop Graphics

### Computerecords Inc. See: Computer Resources Inc.

# Computeristics Micrographics See: Computeristics, Inc.

#### Computeristics, Inc. 2 Skiff St.

Hamden, CT 06514 (203) 288-4885 James H. Chambers, President Private Total Sales FYE 10/82: \$5,000,000 Cptr. Svcs. Revs. FYE 10/82: \$4,750,000 Computer Services Offered: . Processing . Software Products . Turnkey Systems

#### SUBSIDIARIES:

### Acc-U-Data

2 Skiff St. Hamden, CT 06514 (203)288-3521 Stan Rothman, Ph.D., President

# Computeristics Micrographics

142 Hamilton Ave Stamford, CT 06902 (203)357-9625 Thomas Cognato, President Computer Services Offered: • Processing

### Computerized Business Systems 2020 S.W. 4th Avenue Suite 800

Portland, OR 97201 (503)227-5209 Computer Services Offered: • Processing

# Computerized Data Processing Inc.

PO Box 45 Opalocka, FL 33054 (305)769-3361 Michael Pawliger, President

# Directory of Computer Services Companies

# Computerized Management Decisions, Inc.

6535 E. 82nd St., Ste. 102 Indianapolis, IN 46250 (317) 842-3113 Richard Herron, President

# Computerized Office Services, Inc

309 N First St Ann Arbor, M1 48103 Computer Services Offered: • Software Products

# Computerm Corporation

10420 Southwest Hawthorne Lane Portland, OR 97225 (503) 292-3340 L.N. Johnson, President

# Computerpower Corp

71 West 23rd St New York, NY 10010 (212)675-0200 David J Stark, President Private Total Sales FYE 7/82: \$400,000 E

Total Sales FYE 7/82: \$400,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Computers for Business, Inc.

11300 Central Expwy., N. Suite 105 Dallas, TX 75243 (214)987-0300 Al Avellandt, President Private Total Sales FYE 8/81: \$400,000 Est.

Total Sales FYE 8/81: \$400,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Computers for Marketing Corp. 88 First St., 4th Floor

San Francisco, CA 94105 (415)777-0470 Leif Gjestland, President

### Computersearch Corporation

33 John James Audobon Pkwy Amherst, NY 14228 (716) 689-0511 Robert A. Howland, President

# Computervision Corporation

201 Burlington Road
Bedford, MA 01730
(617) 275-1800
James R Berrett, President
Public
Total Sales FYE 12/82: \$325,185,000
Computer Services Offered: • Turnkey Systems

#### Computerware

1512 Encinitas Blvd., Box 668 Encinitas, CA 92024 (714) 436-3512

# Computerwise, Inc.

4006 E. 137th Terrace Grandview, MO 64030 (816) 765-3330 William Brown, President Private

# Computing Capabilities

465-B Fairchild Dr. Ste 223 Suite 412A Mt. View, CA 94043 (415) 968-7511 Donald Lee, Partner

# Computing Productivity, Inc

The Larrow House Route 1-433-A Waitsfield, VT 05673 (802) 496-5000 Leo J. Cohen, President Private Computer Services Offered: • Software Products

# Computone Systems Inc. One Dunwoody Park Atlanta, GA 30338

(404) 393-3010
William O. Robeson, President
Public
Total Sales FYE 5/83: \$25,067,517
Cptr. Sves. Revs. FYE 5/83: \$16,200,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### SUBSIDIARIES:

#### Infotecs

1 Perimeter Rd.
Manchester, NH 03103
(603) 624-2700
Edward Tolson, President
Computer Services Offered: • Turnkey Systems

#### Computoservice Inc.

See: Mankato Citizens Telephone Co.

#### Computrac Inc. 14372 Proton Road

Dallas TX 75234 (214) 661-9588 Harry W. Mangolis, President Public Total Sales FYE 1/83: \$2,685,000 Computer Services Offered: • Turnkey Systems

### Computrol, Inc.

Professional Services

10820 Sunset Office Dr.
St. Louis, MO 63127
(314) 965-2273
Robert Parks, President
Private
Computer Services Offered: • Software Products •

\_\_\_\_

# Computron Technologi Company Inc.

150 Meadowlands Parkway Secaucus, NJ 07094 (212) 246-6990

Jerry Vendome, President

Private
Total Sales FYE 12/82: \$1,750,000
Computer Services Offered: • Software Products • Professional Services

# Computronic Systems Inc.

815 Hutchinson River Parkway Bronz, NY 10465 (212) 792-4354 Kenneth L. Kurz, President

Private CompuVision

COMPUT VISION

50 West Brokaw Rd. Ste 64

San Jose, CA 95119
(408) 295-2460

Mark Fenzel, President

Computer Services Offered: \* Software Products

#### Compuware Corporation 32100 Telegraph Rd Birmingham, MI 48010

Birmingham, M1 48010 (313)540-0900 Peter Karamanos, Chairman Private Total Sales FYE 4/83: \$21,000,000

Total Sales FYE 4/83: \$21,000,000

Computer Services Offered: • Software Products • Professional Services

Comquest

804 Harold Houston, TX 77006 (713) 492-3430 Larry Axtell, President

# COMSAT Digital Division See: COMSAT General Corporation

COMSAT General Corporation

SUBSIDIARIES:

COMSAT General Integrated Systems

1131 San Antonio Rd Palo Alto, CA 94303 (415)966-8440 Wayne D Brown, President

DIVISIONS:

COMSAT Digital Division 7801 La Mar Blvd, N. Suite F40 Austin, TX 78752

Austin, TX 78752 (512) 451-7938 S. A. Szygenda, Senior Vice President

COMSAT General Integrated Systems
See: COMSAT General Corporation

Comsen Inc. 140 Blacksmith Road

140 Blacksmith Road Camp Hill, PA 17011 (717) 737-6971

# Comserv Corporation

3400 Comserv Drive Eagan, MN 55122 (612) 681-7000 Richard P. Daly, President Public

Total Sales FYE 12/82: \$25,075,499

Computer Services Offered: • Processing • Software

Products • Professional Services

Comshare, Inc.

3001 South State Street
Ann Arbor, MI 48106
(313) 994-4800
Richard L. Crandall, President
Public
Total Sales FYE 6/83: \$76.337,000
Computer Services Offered: • Processing • Software
Products

SUBSIDIARIES:

Computer Research Company 200 North Michigan Avenue

Chicago, 1L 60601 (312) 977-7500 Ronald L. Ellis, President

Target Software, Inc

1935 Cliff Valley Wy, Ste 200
Atlanta, GA 30329
(404) 634-9535
Robert Ramsom, Director
Computer Services Offered: • Software Products

Trust Management Systems, Inc.

1100 E. Morehead St. Charlotte, NC 28204 (704) 373-0361 Dwight Saunders, Director

Comspec Exploration

.

Comspec Inc

Comspec Exploration

10000 Old Katy Rd,Ste 275 PO Box 79438 Houston, TX 77079 (713)461-4487 Thomas A Paine, President Computer Services Offered: • Processing

Comtech Group International Ltd.

5 Fairview Mall Drive Suite 180
Willowdale, Ontario NM2J2
(416) 492-1480
Donald McPhail, President
Public
Total Sales FYE 6/82: 55,923,004
Computer Services Offered: • Processing • Software
Products • Professional Services

# Directory of Computer Services Companies

#### SUBSIDIARIES:

### Telaccount Inc.

5 Fairview Mall Drive Suite 380 Willowdale, ON NM2J2 (416) 492-1480 Donald McPhail, President

# Comten Inc.

3 Choke Cherry Road Rockville, MD 20805 (301) 948-8000

### Comtrac Inc.

See: First Chicago Corporation

# Comtrol Corporation

Comtrol Bldg. P.O. Box 600A San Antonio, TX 78292 (512) 736-2871 Stanley Hierholzer, President Private

#### Comtrol Inc.

Old Windsor Mall 176 Broad St. Windsor, CT 06095 (203) 683-1355 William Roneaioli, Viee President Private

# Comtype Inc.

P.O. Box 2311 Birmingham, AL 35201 (205) 967-8193 Jim Barnes, President Private

# Comvestrix Corporation

New York, NY 10036 (212) 869-0640 Joel Cartun, President Private Total Sales FYE 12/82: \$7,401,000 Computer Services Offered: • Processing • Software Products

# Concap Computing Systems, Inc.

60 98th Avenue Suite 700 Oakland, CA 94603 (415) 635-5750 Stewart Larson, President Private

# Concept Systems, Inc.

1 Franklin Plaza, Suite 650 Philadelphia, PA 19802 (215) 654-1492501, President Private Total Sales FYE 12/82: \$4,200,000 Computer Services Offered: • Turnkey Systems

# Concord Computing Corporation

Bedford, MA 01730 (617) 275-1730 Victor Tyler, President Private Total Sales FYE 9/82: \$4,750,000 Computer Services Offered: • Processing • Turnkey

# Condata, Inc.

1809 Walnut Street Philadelphia, PA 19103 (215) 569-4240 Daniel Moore, President

# Condor Computer Corp.

2051 South State St. Ann Arbor, M1 48104 (313) 769-3988 Robert Cohen, President Total Sales FYE 7/81: \$1,500,000 Est. Computer Services Offered: \* Turnkey Systems

# Condor Corporation, The

P.O. Box 2311
Birmingham, Al. 15201
(2005) 967-8193
J.J. Barnes, President
Private
Total Sales FYE 12/82: \$700,000 Est.
Computer Service: Offered: • Software Products • Professional Services • Turnker Systems

### Configuration Data Services Inc.

17220 New Hope, STE 106 Fountain Valley, CA 92708 (714) 546-1892 Donald Norton, President

### Congruent Systems, Inc.

2710 Sand Hill Rd. Menlo Park, CA 94025 David H. Parks, President Private

### SUBSIDIARIES:

# Ryan, Donald & Associates Systems

Consultants 2710 Sand Hill Rd. Menlo Park, CA 94025 (415)854-0650

## Conifer Group, Inc.

54 North Street

# SUBSIDIARIES:

# Berkshire Bank and Trust Co. Automated Customers Service

Pittsfield, MA 01201 (413) 499-1600 Edward K. Ward, Jr., President

# Connecticut Bank and Trust Company

One Constitution Plaza Hartford, CT 06115 (203) 244-5000

# Connecticut Information Systems Co.

218 Huntington Rd. Bridgeport, CT 06608 (203) 579-0472

### Consco Enterprises Inc.

1700 Broadway New York, NY 10019 (212) 586-8701 Seymour Altuscher, President Private

# Conserv International

Route 1 South PO Box 5241 Princeton, NJ 08540 (201) 561-7000 Robert Steinberger, President

### Consilium Associates, Inc

4 Palo Alto Sq, Suitc 270
Palo Alto, CA 94304
(415)856-1905
Computer Services Offered: • Software Products

### Consolidated Business Systems, Inc. P.O. Box 6183 Elmwood Park Station

Omaha, NE 68106 (402) 393-0313 Mike Garrean, President

# Consolidated Computer Services, Inc. 6761 Peachtree Industrial Blvd

Atlanta, GA 30360 (404) 447-5203 William McNeal, President

# Consolidated Computer Corp

1180 Avenue of the Americas New York, NY 10036 (212) 375-8240 Robert F. McGill, President Private Total Sales FYE 6/82; \$3,000,000 Computer Services Offered: • Processing

### Construction Computer Control Corporation

6)5 E. Michigan Street
Milwauker, WI 53202
(414) 278-0500
William C Koenig, President
Private
Total Sales FVE 12/82: 53,200,000
Computer Services Offered: • Processing • Professional
Services

# Construction Industry Computer

See: Shawinigan Engineering Company

# Construction Information Systems

Box 484 Mill Valley, CA 94941 (415) 332-5073 Peter Hogg, President Private Total Sales FYE 12/82: \$4,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

# Construction Management Systems

See: Hill International

### Construction Systems Assoc. 2121 New Market Parkway Suite 124

Marietta, GA 30067 (404) 955-3518 Amaclous Burgess, President Private Total Sales FYE 6/83: \$2,700,000 Est. Computer Services of Turkey Systems

# Construction Systems Software, Inc

P.O. Box 30088 San Antonio, TX 78285 (512) 681-5768 Dennis Read, President

### Consultants for Information Resource Management Inc.

109 Fairfield Way Suite 106 Bloominghale, II. 60108 (312) 894-5598 Michael R. Springer, President Private Total Sales FVE 1/81: \$125,000 Est. Computer Services Offered: \* Software Products \* Professional Services \* Turkey Systems

#### Consultec

See: General American Life Insurance Corporation

### Consumer Merchandising Inc.

4215 Beltwood Pkwy.
Dallas, TX 75234
(214)233-6671
Computer Services Offered: • Processing • Software
Products

### Consumer Systems Corporation

SUBSIDIARIES:

# Consumer Systems Services Group, Inc.

1100 31st Street
Downers Grove, IL 60515
(312) 325-2102
Ray M. Dionisio, President
Total Sales FYE 7/82: \$9,000,000
Computer Services Offered: • Processing • Software
Products • Professional Services

# Consumer Systems Services Group, Inc.

See: Consumer Systems Corporation

### ConTel Data Services Corp See: Continental Telecom Inc.

# ConTel Information Systems, Inc

See: Continental Telecom Inc.

# Context Management Systems

23864 Hawthorne Blvd Suite 101 Torrance, CA 90505 (213) 378-8277

Private
Total Sales FYE 7/82: \$3,000,000 Est.

Computer Services Offered: • Software Products

# Continental Airlines

## SUBSIDIARIES:

# Continental Computer Services, Inc. One Continental Plaza Airport

El Segundo, CA 90245
(213) 646-6820
Mauro Weissman, President
Cptr. Sves. Revs. FYE 12/82: \$11,000,000 Est.
Computer Services Offered: • Processing • Software
Products

# Continental Computer Services, Inc.

See: Continental Airlines

### Continental Computer Systems

725 North 15th St, 3rd Fl Allentown, PA 18102 (215) 820-4155 Warren Schneider, President

### Continental Data Processing, Inc. See: Digital Technology Group

### Continental Financial Services

### SUBSIDIARIES:

# Systems Engineering Computer Co.

P.O. Box 26729

Richmond, VA 23261
(804)282-2331
John F. Noll, President
Total Sales FYE 12/81: \$10,000,000 Est.
Cytr. Sves. Revs. FYE 12/81: \$3,500,000 Est.
Computer Services Offered: \* Processing \* Professional
Services \* \*\*Unrakey Systems\*\*

### DIVISIONS:

#### Automated Computer Services 6600 West Broad St.

6600 West Broad St. Richmond, VA 23261 (804) 281-6456

### Continental Hospital Systems

#### SUBSIDIARIES:

# Continental Medical Systems

9275 Flint
Overland, KS 66214
(913)883-2915
Gordan Grohman, President
Total Sales FVE 10/81: \$1,000,000
Computer Services Offered: • Software Products • Turnkey

# Continental Illinois National Bank &

Trust Co. of Chicago 231 South LaSalle Street Chicago, 1L 60690 (312) 828-2345

# Continental Information Systems

See: Continental Resources

# Continental Medical Systems See: Continental Hospital Systems

# Continental Resources

#### DIVISIONS:

### Continental Information Systems

Bedford, MA 01730 (617)275-0850 Kevin McCann, General Manager Total Sales FYE 12/81: \$1,100,000 Est. Computer Services Offered: • Software Products

# Continental Software

See: Arrays, Inc.

# Continental Telecom Inc.

SUBSIDIARIES:

#### ConTel Data Services Corp 245 Perimeter Center

Atlanta, GA 30346
(404) 391-8000
R. E. Thomas, President
Cptr. Sves. Revs. FYE 12/82: \$4,000,000
Computer Services Offered: • Software Products

### ConTel Information Systems, Inc 130 Steamboat Rd

Great Neck, NY 11024 (516) 829-5900 Howard Frank, President Cptr. Svcs. Revs. FYE 12/82: \$15,000,000 Est. Computer Services Offered: • Professional Services

# National Bancard Corporation

1471 S.W. 12th Ave Pompono Beach, FL 33060 (305) 785-2100 John G. Bull, President Private Chtr. Sycs. Revs. FYF 12/82: \$194

Cptr. Svcs. Revs. FYE 12/82: \$19,000,000
Computer Services Offered: • Processing

# **CAMP 1983** Directory of Computer Services Companies

# STSC, Inc.

2115 E. Jefferson St Rockville, MD 20852 (301) 984-5000 William M. Gibson, President Total Sales FYE 12/82: \$25,496,000 Computer Services Offered: • Processing • Software Products • Professional Services

# Continuum Co., The

3429 Executive Center Drive Austin, TX 78731 (512) 345-5700 Lawrence D Sault, President Total Sales FYE 3/83: \$20,645,572 Computer Services Offered: • Processing • Software Products • Professional Services

# Contract Services Associates

706 S. Euclid Anaheim, CA 92802 (714) 635-4055 Margaret Bivins, President Private

13612 Midway Rd.

### Contract Software Consultants Inc.

Dallas, TX 75229 (214)233-2065 Computer Services Offered: • Software Products

### Control Analysis Corporation

155 Great Circle Dr. Mill Valley, CA 94941 (415)381-0570 Ray Harvey, President

#### Control Data Corporation 8100 34th Avenue South PO Box 0

Minneapolis, MN 55420 (612) 853-8100 William C. Norris, Chief Executive Officer Total Sales FYE 12/82: \$4,292,000,000 Cptr. Svcs. Revs. FYE 12/82: \$889,000,000 Est.
Computer Services Offered: 

Processing 

Software Products • Professional Services • Turnkey Systems

## SUBSIDIARIES:

#### Action Data Services 7822 Bonham

Clayton, MO 63105 (314) 862-7700 Robert Kleinert, President Total Sales FYE 12/82: \$12,000,000 Computer Services Offered: • Processing

# Arbitron

1350 Avenue of the Americas New York, NY 10019 (212) 887-1402 T. F. Shaker, President Computer Services Offered: • Processing

# Brokerage Transaction Services Inc.

New York, NY 10005 (212) 668-6100 A. A. Oratorio, President Computer Services Offered: • Processing

# Computer Industries Corp

1501 Euclid Cleveland, OH 44115 (216)579-0200 Computer Services Offered: • Software Products

### CYBERNET

P.O. Box 0, 8100 34th Avenue South Minneapolis, MN 55440 (612) 853-8100 K. L. Mellem, Vice President Computer Services Offered: • Processing • Turnkey Systems

### DIVISIONS:

Information Systems Design, Inc. 2500 Mission College Blvd.

Santa Clara, CA 95054 (408) 727-8100 George T. Steeley, Jr., President

#### EFT Data Services, Inc. 500 W. Putnam Avenue

Greenwich, CT 06830 (203) 622-2303 D. M. Lalumia, General Managar Computer Services Offered: • Processing

### Economic Information Systems Inc

310 Madison Ave, Ste 201 New York, NY 10017 (212)697-6080 Computer Services Offered: • Processing

### Tabershaw Occupational Medicine Association

6110 Executive Blvd Rockville, MD 20852 (301)881-6920 Irving Tabershaw, President

Computer Services Offered: • Processing • Software Products • Professional Services

# Ticketron, Inc.

1350 Avenue of the Americas New York, NY 10019 (212) 887-1600 W. J. Schmitt. President Computer Services Offered: • Processing • Turnkey Systems

# SUBSIDIARIES:

# Station Business Systems 600 W. Putnam Avenue

Greenwich, CT 06830 (203) 622-2400 Computer Services Offered: • Turnkey Systems

# Directory of Computer Services Companies

### TRES Computer Systems, Inc.

16775 Addison Road Dallas, TX 75248 (214) 248-8737 Orren Y. Evans, President Computer Services Offered: • Processing • Software Products • Professional Services

## United Information Services Inc

5454 West 110th Street
Overland Park, KS 6621
(913)341-9161
Computer Services Offered: • Processing • Software
Products • Professional Services

# Control Systems, Inc.

1317 Central Avenue Kansas City, KS 66102 (913) 371-6136 Jim Shirley, President Private

### Controls for Industry Inc.

2635 West Peterson Avenue Chicago, IL 60659 (312) 784-4243 Sherwin B. Pomerante, President Private

# Convey Associates

See: Convey Company, Inc.

# Convey Company, Inc.

Dayton, OH 45402 (513) 461-4021 Al Jung, President Private Total Sales FYE 9/83: \$1,500,000 Est. Computer Services Offered: • Software Products

### DIVISIONS:

Products

### Convey Associates 2600 S Parker Rd, STE 377

2600 S Parker Rd, STE 377
Aurora, CO 80014
(303)696-0520
Paul Spoutz, President
Computer Services Offered: • Professional Services

#### Cook Data Services, Inc.

6510 Abrams Road Suite 410
Dallas, TX 75231
(214) 349-6900
David P. Cook, President
Public
Total Sales FYE 12/82: \$6,113,558
Computer Services Offered: • Processing • Software

Cooper Data Systems Inc.

636 Baronne Street New Orleans, LA 70113 (504) 581-7611 William G. Barry, President

) 581-7611

# Cooperative Computing Inc. 2525 Wallingwood Suite 700

Austin, TX 78741 (512) 327-4940 Glen Staats, President

### Coopers and Lybrand

1251 Avenue of the Americas New York, NY 10020 (212)536-2000 Private Cptr. Svcs. Revs. FYE 7/82: \$29,000,000 Est. Computer Services Offered: • Professional Services

## Cordova Corporation

#### SUBSIDIARIES:

### Mitchell Matics

9889 Willow Creek Road San Diego, CA 92115 (619) 578-8770 Henry Bennett, President Private Computer Services Offered: • Processing

# Core & Code, Inc.

3 Winding River Circle Wellesley, MA 02181 (617) 237-4554 Tim Sorrell, President

# Corgill-Meyer and Associates

6884 Chambers Dr Oakland, CA 94611 (415)642-1244 Robert Meyers, Principal Total Sales FYE 7/82: \$350,000 Est. Computer Services Offered: • Software Products

### Cornell Computer Corp.

55 Cornell Drive Plainview, NY 13137 (516) 692-8284 Jerome Gilbert, President Private

### Cornwell, Robert Associates

352 Evelyn St. Paramus, NJ 07652 (201) 261-1050 Robert Cornwell, President Private

# Corodale Incorporated

211 Congress St.
Boston, MA 02110
(617) 426-8780
Computer Services Offered: • Software Products

### Corporate Data Systems

3700 Science Center
Philadelphia, PA 19104
(215)222-7046
Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### Corporate Management Inc.

4200 Aurora Avenue North Seattle, WA 98103 (206) 632-0301 Fred Taucher, President Private

# Corporate Systems

P.O. Box 31780 Amarillo, TX 79120 (806) 376-4223 Guy Sanders, President Private Total Sales FYE 12/81: \$6,000,000 Computer Services Offered: • Processing

# Corporate Timesharing Services Inc.

30 Rockefeller Plaza New York, NY 10020 (212) 246-7733 John Cahill, President

### Corporate-TECH Planning, Inc 275 Wyman St

Waltham, MA 02154 (617)890-2600 Norman H Taylor, President Private Total Sales FYE 7/81: \$1,400,000 Est. Computer Services Offered: • Professional Services

#### Corroon & Black Actuarial Services, Inc. See: Corroon & Black Insurance Corporation

Corroon & Black Insurance Corporation

# SUBSIDIARIES:

Corroon & Black Actuarial Services, Inc. 550 Mamaroneck Ave.

Harrison, NY 10528 (914) 698-8030 Neal Healy, Executive Vice President

# Corstar Business Computing Company,

1 Aqueduct Road White Plains, NY 10606 (914) 428-5550 John Sitar, President

# Cortex Corporation

55 William St Wellesley, MA 02181 (617) 237-2304 Sherman Uchill, President Total Sales FYE 6/82: \$960,000 Computer Services Offered: • Software Products • Professional Services

# Cost Savings Data Systems Inc.

Davenport, IA 52801 (319) 323-2731 Lloyd Stegman, President Private

# Cost Systems Engineers See: Wendall & Tralett

### Courier Journal-Louisville Times

### SUBSIDIARIES:

Data Courier, Inc. 620 South Fifth St. Louisville, KY 40202 (502) 582-4111 Loene Trubkin, President Private

# Coverdale Associates, Inc.

132 Adams St. Newton, MA 02158 (617) 332-8910 Shirley E. Coverdale, President

# Cox Broadcasting Corp.

### SUBSIDIARIES:

Cox Data Services 5600 Roswell Road Suite 100, Prado North Atlanta, GA 30342 (404) 256-5200

#### Cox Data Services See: Cox Broadcasting Corp.

Creative Management Systems Inc 8130 Boone Blvd, 4th Fl Vienna, VA 22180 (703)827-9157 Computer Services Offered: • Processing • Software Products • Professional Services

#### Creative Output 60 Commerce Park Rd

Milford, CT 64630 (203)877-5671 Paul King, President Total Sales FYE 12/81: \$1,900,000 Est. Computer Services Offered: • Software Products

### Creative Socio-Medics Corp (CSM) See: Advanced Computer Techniques

# Creative Software Concepts Inc

PO Box 349 Binghamton, NY 13902 (607) 722-3539 M. Dallas DeFee, President Private Total Sales FYE 7/83: \$500,000 Computer Services Offered: • Software Products • Professional Services

### Creative Systems Group

740 Julie Ann Way Oakland, CA 94621 (415)638-3015 Daryl McCosker, President

Total Sales FYE 6/81: \$3,000,000 Computer Services Offered: • Processing • Professional Services

### Credit Bureau Inc. of Georgia See: Equifax Inc.

Crown Data Center See: Mason Dixon Freight

### Crown Life Insurance Co.

# SUBSIDIARIES:

Datacrown Inc. 650 McNicoll Ave.

Toronto, ON M2H2E (416) 499-1012 Duncan MacLachlan, President Total Sales FYE 12/82: \$71,454,000 Cptr. Svcs. Revs. FYE 12/82: \$64,260,000 Computer Services Offered: . Processing

# Ctrac Computer Services

18683 Sheldon Road Middlebury Heights, OH 44130 (216) 676-9000 David Hamister, President Private Total Sales FYE 3/83: \$3,000,000 Est. Cptr. Svcs. Revs. FYE 3/83: \$2,850,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

# Cubic Corporation

#### SUBSIDIARIES:

Cubic Data Systems, Inc.

8248 Ronson Road San Diego, CA 92111 (714) 560-7066 Paul Burns, Vice President

### Cubic Data Systems, Inc. See: Cubic Corporation

### Cullen-Frost Bank Inc.

### SUBSIDIARIES:

# Frost National Bank

100 West Houston San Antonio, TX 78296 (512) 220-5333 C. Linden Sledge, President

# Cullinet Software

400 Blue Hill Drive Westwood, MA 02090 (617) 329-7700 Robert N. Goldman, President Public Total Sales FYE 4/83: \$78,553,000 Computer Services Offered: • Software Products

Cumberland Software Inc.

3020 Atlanta St Smyrna, GA 30080 (404) 432-3857 Mark Russell, President Computer Services Offered: • Software Products

# Cunadata Corporation

See: Electronic Data Systems Corporation

### Cuneo Press

#### SUBSIDIARIES:

# Graphic Arts Data Service

200 West Monroe Chicago, IL 60606 (312) 263-4222 Frederick Faulkner, President Private Total Sales FYE 1/82: \$1,600,000 Computer Services Offered: • Processing

#### Curtis-Wright Computer Service See: Curtis-Wright Corporation

### Curtis-Wright Corporation

#### DIVISIONS

### Curtis-Wright Computer Service

One Passaic Street Wood-Ridge, NJ 07928 (201) 777-2900 Joseph Barrett, Dir., Computer Services Dept.

Computer Services Offered: 

Processing Professional Services

Custom Application Systems, Inc. 1888 Century Park, E Century City, CA 90067 (213)552-6928 Computer Services Offered: • Software Products

### Custom Computer Services

PO Box 1738 Rapids City, SD 57709 (605)343-7800 Bud Brummer, President

Private Total Sales FYE 7/81: \$750,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Custom Computer Services, Inc.

2210 San Joaquin Fresno, CA 93721 (209) 486-4750 John W. Dodson, President Private

### Custom Computing Systems, Inc.

122 Second Ave. N Saskatoon, SA S7K2B (306) 664-8933 Sylvan Katz, President Private

### Custom Data Services, Inc. 5090 Central Highway Ste 9A

Pennsauken, NJ 08109 (609) 663-9422 Frank N. Casey, President

### Custom Engineering Inc. 1720 N. 31st Pl.

Phoenix, AZ 85008 (602)275-5307 Computer Services Offered: • Processing • Software Products

### Custom Management Systems, Inc., Systems Division

P.O. Box 10046 Tallahassee, FL 32302 (904) 244-3208

### Custom Tailored Software Inc.

55 Washington St East Orange, NJ 07019 (201)678-7500 Computer Services Offered: • Software Products

### Customized Business Systems

973 Market, Ste 500 San Francisco, CA 94103 (415) 495-6022

#### Cusvs Inc.

2305 Coney Island Ave. Brooklyn, NY 11223 (212) 336-4498 David Fuchs, President Private

### Cutler-Williams, Inc.

2655 Villa Creek Drive Suite 205

Dallas, TX 75234 (214) 243-3421 George Enochs, President Private Total Sales FYE 12/82: \$9,000,000 Est. Computer Services Offered: • Professional Services

Cuvahoga Savings & Loan, and First Federal of Cleveland

SUBSIDIARIES:

# Greater Cleveland Computer Center

1110 Euclid Avenue Cleveland, OH 44115 (216) 861-7193 Private

#### Cyber Data Systems 570 Elmont Rd.

Elmont, NY 11003 (516) 352-2822 Hank Alrich, President Private Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: • Software Products • Turnkey

# Systems CYBERNET

See: Control Data Corporation

#### Cybernetics and Systems Inc. See: CSX Corporation

Cybernetics Inc. 8041 Newman Ave. Suite 208 Huntington Beach, CA 92647 (714) 848-1922 Joe Sheldon, President Private

Cybernetics System International Corp Cybernetics Bldg 1313 Ponce De Leon Blvd Coral Gables, FL 33134 (305)443-1651 Rudy Valdor, President Private Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Processing • Software

# Cybershare Ltd

Products . Professional Services

550 Berry Winnipeg, MB R3HOR (204)775-0181 Jack Turner, President Total Sales FYE 3/81: \$4,000,000 Computer Services Offered: • Processing • Software Products

# Cybertek Computer Products, Inc. 6133 Bristol Pkwy. Culver City, CA 90230

(213) 649-2450 Vaughn W. Morgan, President Private Cptr. Svcs. Revs. FYE 3/83: \$12,900,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Cybertronics Inc.

842 Cottage Avenue East Minneapolis, MN 55106 (612) 771-5623 Robert Hansen, President

# Cyborg Systems, Inc. 2 North Riverside Plaza Suite 2160

Chicago, 1L 60606 (312) 454-1865 Michael Blair, President Total Sales FYE 2/82: \$4,138,000 Computer Services Offered: • Software Products

# Directory of Computer Services Companies

# Cycare Systems, Inc.

Dubuque Building Suite 520 Dubuque, IA 52001 (319) 556-3131 James H. Houtz, President

Total Sales FYE 12/82: \$23,516,000

Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Cycom Corporation

3355 Richmond Rd. Beachwood, OH 44122 (216) 831-7990 Jim Musser, President

Private
Total Sales FYE 12/82: \$2,000,000
Computer Services Offered: • Turnkey Systems

# Cyex Systems Corp.

59 Cunningham E. Palatine, IL 60067 (312)359-8566

Computer Services Offered: • Software Products

#### Cyma Corp 2160 East Brown Rd

Mesa, AZ 85203 (602)835-8880 David Thomas, President

Total Sales FYE 7/81: \$500,000 Est.

Computer Services Offered: • Software Products

# Cyngus Technologies Corporation

350 Hudson St. New York, NY 10014 (212) 242-3434 Jorge Aranovich, President

### Cytrol, Inc. 4570 West 77th Street

4570 West 77th Street Edina, MN 55435 (612) 835-4884

# D.E.C. Service Corporation

Rockford, IL. 61107 (815) 965-2751 H.D. Kaiser Jr., President Private

# D.E.S. Inc.

407 Gilbert Ave Cincinnati, OH 45202 (513) 621-2388 James W. Grever, President Private Total Sales FYE 8/82: \$650,000 Computer Services Offered: • Processing

### D-NET

See: Harris Data Service Inc.

# DBA Systems, Inc.

1103 H. Hibiscus Blvd. Melbourne, Fl. 32901 (305) 725-3711 M. Alan Bishop, President Public

Total Sales FYE 6/83: \$28,375,000 Computer Services Offered: • Professional Services • Turnkey Systems

# DBMS, Inc.

Naperville, IL 60540
(312)961-3700
(312)961-3700
Andrew Filipowski, President
Private
Total Sales FYE 8/81: \$3,800,000
Computer Services Offered: • Processing • Software
Products • Professional Services

### DCD Company

See: Borg Enterprises

# DDP Systems, Inc.

New York, NY 10001 (212)73-6-4240 Private Total Sales FYE 1/81: \$700,000 Computer Services Offered: • Software Products • Turnkey Systems

### DLM Enterprises 535 W. Arlington

535 W. Arlington Chicago, IL 60614 (312) 935-4222 Michael Weehter, President rivate

# DMI Systems, Inc.

### DMR & Asociates 1200 Miguel College Ave, Ste 7

Montreal, QB H3B4G (514) 866-3301 Pierre Ducuros, President Private Total Sales FYE 5/82: \$40,000,000 Est. Computer Services Offered: • Professional Services

# DMW Group, Inc.

2020 Hogback Road
Ann Arbor, MI 48104
(313) 971-5234
Dixon Doll, President
Private
Total Sales FYE 3/83: \$5,000,000 Est.
Computer Services Offered: • Processing • Software
Products

### DNA Systems, Inc. 1258 S. Washington P.O. Box 1424

Saginaw, M1 48605 (517) 793-0185 Private Total Sales FYE 6/82: \$1,200,000 Computer Services Offered: • Software Products

### DP & W Inc. 20-28 Aberdeen

20-28 Aberdeen Boston, MA 02215 (617) 261-5432

#### DPC Corporation 7115 Leesburg Pike

Falls Church, VA 22046 (703)532-1775 Computer Services Offered: • Processing

### DPS Inc.

350 South 4th East Suite 114 Salt Lake City, UT 84115 (801) 532-3567 Don Philips, President

#### DPX Inc.

992 S Saratoga-Sunnyvale Rd
San Jose, CA 95129
(408)973-9392
William Ackerman, President
Private
Computer Services Offered: • Software Products •
Professional Services

# DSI-Data Spectrum Inc.

53 Park Pl. New York, NY 10007 (212) 964-4482 1970, President Private

### DSI, Inc.

2480 W. Alameda Denver, CO 80223 (303) 922-8331 Larry Johnston, President Private

# DST Systems, Inc.

See: Kansas City Southern Corp.

### DTSS Incorporated

See: Metropolitan Life Insurance Company

#### DYX Corporation 10515 Church Rd PO Box 38625

Dallas, TX 75238 (214) 341-4275 John Meagher, President Private Total Sales FYE 10/81: \$250,000 Computer Services Offered: • Software Products • Professional Services

#### Da-Tronics, Inc. 2962 Market Avenue North

Canton, OH 44714 (216) 455-5363 Donna A. Miller, President Private Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Processing • Turnkey Systems

### Dacor, Inc. 1330 Bishop Road

Bowling Green, OH 43402 (419) 352-3568 David L. Fulton, President Public Total Sales FYE 12/82: \$1,300.000 Computer Services Offered: \* Software Products \* Professional Services \* Turnkey Systems

# Dagar Enterprises 123 York St, Ste 2H Crown Towers New Haven, CT 06510

New Haven, CT 06510 (203)624-0500 Private Total Sales FYE 7/81: \$600,000 Computer Services Offered: • Software Products • Turnkey Systems

# Daisy Systems Corp.

139 Kifer Court Sunnyvale, CA 94086 (408) 773-9111 Arych Finegold, President Public Total Sales FYE 9/83: \$7,300,000 Computer Services Offered: • Turnkey Systems

### **Dakco Distributors**

### SUBSIDIARIES:

Midco Data Systems 503 Broadway P.O. Box 3142 Fargo, ND 58102 (701) 293-5602 R.F. Saunders, President

# Dalgety Ltd

JOBOTO MICIES

Dalgety, Inc.
3055 Fairiew Way
San Mateo. CA 94402
(415) 96-50-600.
Peter A J Gardner, President
Total Sales Fyt. 6/82: \$1.150,000,000 Est.
Cptr. Sves. Revs. FYt. 6/82: \$900,000 Est.
Computer Services Offered: Processing

# Dalgety, Inc.

# Daly & Wolcott Inc.

Hamden, CT 06518 (203)288-3789 Computer Services Offered: • Software Products

# Damas Inc.

5308 Northeast Irving Portland, OR 97213 (503) 284-9677 Marcia Zuber, President

# Directory of Computer Services Companies

### Dapsco, Inc

1544 W Dorothy Lane Dayton, OH 45409 (513)294-5331

Computer Services Offered: • Software Products

### Darcor

3349 Ridgelake Dr. Metairie, LA 70002 (504) 837-6297 Dennis A. Richards, President

Private
Total Sales FYE 10/82: \$800,000 Est.

Computer Services Offered: • Software Products

# Dartmouth College

Kiewit Computation Center Hanover, NH 03755 (603)646-2644

#### DASD Corporation See: CAP Gemini Sogeti

See. CAF Geilini Soge

#### Dash Group, Inc PO Box 8666

Reading, PA 19603 (215)372-4500

Computer Services Offered: • Software Products

# Data Access Corporation

4221 Ponce De Leon Blvd Coral Gables, FL 33146 (305)446-0669

Computer Services Offered: • Software Products

# Data Architects, Inc.

460 Totten Pond Road Waltham, MA 02154 (617) 890-7730 Martin Cooperstein, President

Total Sales FYE 11/82: \$12,577,236
Cptr. Svcs. Revs. FYE 11/82: \$12,477,236
Computer Services Offered: • Software Products •

Professional Services

Data Base Logic Inc.

1601 Concord Pike Independence Mall Wilmington, DE 19803 (302)656-4141 Joseph B Elad, President Private Total Sales FYE 6/82: \$250,000 Est. Computer Services Offered: • Software Products •

# Data Base Management, Inc.

1100 High Ridge Rd. Stamford; CT 06905 (203) 322-4681

Professional Services

William Schmidt, President Private

Private
Total Sales FYE 12/82: \$5,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

# Data Basics Corp.

151 West 40th St. New York, NY 10018 (212) 354-3870 Donn Liles, President

Total Sales FYE 6/82: \$2,000,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Data Belt Corporation

71 West 23rd Sfreet
New York, NY 10010
(212) 675-0200
D.J. Stark, President
Private
Total Sales FYE 12/81: \$750,000
Computer Services Offered: • Processing • Professional
Services • Turney Systems

# Data Capital See: Data Wholesale

# Data Care Systems

Los Angeles, CA 90025 (213)826-4500 Paul Marchetti, President Private

# Data Center Corporation

2033 Pontius Ave. Los Angeles, CA 90025 (213) 473-4444 H.J. Groelinger, President Private

#### Data Communications Corporation 3000 Directors Row

Memphis, TN 3813 (901) 345-3544 James L. Thornton, President Private Total Sales FYE 12/82: \$27,000,000 Est. Cptr. Svcs. Revs. FYE 12/82: \$22,500,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Data Companies (The), Inc.

11777 Katy Freeway Suite 5005 Houston, TX 77079 (713) 493-4281 William Goodwin, President

### Data Composition Services Inc.

13501 Baltimore Blvd. Laurel, MD 20810 (301)953-3196 Computer Services Offered: • Processing

#### Data Computer Center Inc. See: Texas Refinery Corporation

# Data Computing Corporation

Hempstead, NY 11551 (516) 481-7344 Charles Kornheiser, President Private Total Sales FYE 6/82: \$1,500,000 Est. Computer Services Offered: • Processing

# Directory of Computer Services Companies

# Data Concepts 420 Bedford St.

Lexington, MA 02173 (617) 861-7620 Thorpe E Wright, President Total Sales FYE 7/83: \$5,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### Rockford Research Inc

56 Boylston St Cambridge, MA 02138 (617) 876-6776 Calvin N. Mooers, President Computer Services Offered: • Software Products

# Data Consultants Inc.

See: Lawgosser Brothers, Inc.

# Data Consulting Associates Inc.

89 Locke Rd Chelmsford, MA 01824 (617) 256-3901 William R. Duffy, Sr., President

# Data Conversion Systems

520 Michigan, N Suite 600 Chicago, IL 60611 (312)644-6700 Robert Laskow, President Private

# Data Corp of Virginia, Inc.

#### Data Counts 19320 Van Ness Ave.

Torrance, CA (213) 775-3645 Private Total Sales FYE 12/82: \$5,000,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

# Data Courier, Inc.

See: Courier Journal-Louisville Times

### Data Cybernetics

540 Highland Dr., S. Las Vegas, NV 89106 (702)386-8860

Data Design Associates, Inc. 1250 Oakmead Prkwy, Ste. 310 Sunnyvale, CA 94086 (408)730-0100 David D. Lowry, President Total Sales FYE 3/82: \$4,243,000 Computer Services Offered: • Software Products

### Data Dimension Inc.

50 Washington Street Norwalk, CT 06854 (203) 853-2290 Kenneth E. Wortz, President

### Data Directions, Inc.

7700 Edgewater Drive Oakland, CA 94621 (415) 632-4303 Robert McCov. President Private Total Sales FYE 7/82: \$2,500,000 Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### New Directions

7700 Edgewater Dr. Oakland, CA 94621 (415)632-2996 Stephen L. Anderson, President Computer Services Offered: • Professional Services

#### Data Factory, Inc. See: OR/MS Dialogue, Inc.

#### Data Financial Systems See: Equifax Inc.

# Data Financial Systems Inc.

P.O. Box 15411 Phoenix, AZ 85060 (602) 959-9240 Roy Kingsley, President Drivate

### SUBSIDIARIES:

# Delta Computer Systems

P O Box 15411 Suite 145F Phoenix, AZ 85060 (602)952-1600 William Callahan, President

# Data Flow Inc.

1111 N. Westshore Blvd. Suite 700 Tampa, FL 33623 (813) 872-5635 Martin Sullivan, Chairman Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Processing

# **Data General Corporation**

4400 Computer Drive Westboro, MA 01580 (617) 366-8911 Edson D. deCastro, President Total Sales FYE 9/82: \$806,000,000 Cptr. Svcs. Revs. FYE 9/82: \$49,400,000 Est. Computer Services Offered: • Software Products •

### Data Inc.

4620 Lee Highway Arlington, VA 22207 (703) 524-0400 Tom Christensen, President

Professional Services

#### SUBSIDIARIES:

### Cado Systems of MD, Inc.

2065 York Road Timonium, MD 21093 H.F. Horowitz, President Private

Computer Services Offered: • Turnkey Systems

#### Data Inc.

604 Northwest Sioux Falls, SD 57001 (605) 336-3306 Ron Erb, President

# Data Inc.

1 New England Executive Park Burlington, MA 10730 (617) 273-3540 Paras Traganos, President Private

Total Sales FYE 1/83: \$4,000,000 Computer Services Offered: 

Processing 
Software Products 
Professional Services 
Turnkey Systems

Data Index Incorporated 4390 Alpha Rd. Dallas, TX 75234 (214) 386-3929 Robert L. McIntire, President Private

Total Sales FYE 6/82: \$300,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Data Information Science Center PO Box 3185

Salem, OR 97302 (503)581-7140 John Dahl, President Private

# Data Input Services Corp. See: Brault, Strauchman Associates

Data Law Company 6950 South Tuscon Way Suite B Englewood, CO 80112 (303)773-8193

William J. Eggert, President

Total Sales FYE 12/82: \$599,267 Computer Services Offered: • Software Products • Turnkey Systems

Data Line Service Company
See: Pomona 1st Fed. Savings & Loan & Santa Fe Fed.
Savings & Loan

# Data Management Group 2970 North 7Th St Phoenix, AZ 85003 (602)263-7865

Computer Services Offered: • Software Products

# Data Management Inc. 1325 Wilkes St. Alexandria, VA 22314

(703) 549-0890 Roger Lawson, President Private

### Data Management Inc.

7601 Bush Lake Rd. Edina, MN 55435 (612) 831-3350

Gerald Simonson, President Public

Total Sales FYE 8/82: \$406,455 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Data Management Services Inc.

9868 Monroe Dallas, TX 75220 (214)350-9479

Computer Services Offered: • Processing

#### Data Marc Inc

1251 Colombia St Richardson, TX 76903 (214)783-1691

Computer Services Offered: • Software Products

# Data Prep Corporation

7115 Leesburg Pike Falls Church, VA 22046 (703) 532-1775 Richard L. Scholl, President

### Data Probe Inc.

404 Park Avenue South New York, NY 10022 (212) 532-1914 Ari Banchana, President

#### Data Processing & Accounting Services See: C & T Management

### Data Processing Business Systems

4738 West Peterson Chicago, IL 60646 (312) 286-0441 J.F. Callahan, President

# Data Processing Center Inc.

### 3920 Howard Ave

New Orleans, LA 70125 (504)821-6165 John D. Pepperman, President Private

Total Sales FYE 11/81: \$1,100,000 Computer Services Offered: • Processing

# Data Processing Consultants

2405 San Pedro, N.E. Albuquerque, NM 87110 (505) 884-6042

Steve A. Chavez, President Private

Total Sales FYE 12/81: \$300,000 Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

## **CAMP 1983**

## Directory of Computer Services Companies

## Data Processing Design, Inc.

Placentia, CA 92670 (714) 993-4160 Steve Abbott, President

Private
Total Sales FYE 7/82: \$4,000,000 Est.
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Data Processing Enterprises

914 S. Hoover Street Los Angeles, CA 90006 (213) 380-7200 Murray Chesis, President Private

## Data Processing of the South Inc. See: Electronic Data Systems Corporation

## Data Processing Security, Inc.

200 N.E. Loop 820 Fortworth, TX 76112 (817) 457-9400 Louis Scoma, President Private

### Data Processing Services

908 Penn Avenue Pittsburgh, PA 15222 (412) 261-3730 Walter Haupl, President

## Data Processing Services Inc. 8604 Allisonville Rd.

8604 Allisonville Rd. Indianpolis, IN 46250 (317)842-8300 Daniel E. Barrow, President Private

## Data Processing Services Inc.

5221 E 3Rd Ave Spokane, WA 99206 (509) 838-5291 Roger T. Stilson, President

Tampa, FL 33614

### Data Processing Services Inc. 4710 Eisenhower Blvd.

(813) 884-8457
William P. Lynch, President
Private
Total Sales FYE 8/83: \$1,275,000
Computer Services Offered: • Processing

### Data Processing Services of Findlay 101 1/2 W. Sandusky Street Findlay, OH 45840

Findlay, OH 45840 (419) 423-8575 Jack Maples, Director Private

#### Data Processors Inc.

P.O. Box 2660 Casper, WY 82601 (307) 234-7308 David R. Sutherland, President Private

## Data Resources, Inc.

## ·

Data Retrieval Corp 5600 W Brown Deer Rd PO Box 23437 Milwaukee, W1 53223 (414)355-5900

#### Data Science Corporation

3304 Olive Street St. Louis, MO 63103 (314) 535-5900 Byrne F. Belcher, President Private

## **Data Services Corporation**

705 Airport Blvd PO Box 1746 Ann Arbor, M1 48106 (313) 769-1415 Gerald K. Swain, President Private

#### Data Solutions Inc.

1015 E Hillsdale Bivd,Ste 209 PO Box 4251 Foster City, CA 94404 (415)574-2262 Chris Castro, President Private Total Sales FYE 4/82: \$1,250,000 Computer Services Offered: • Turnkey Systems

## Data Structure, Inc.

Acquired by/merged with: Computer Task Group Inc.

## Data Systems Analysts, Inc.

North Park Dr. & Airport Hwy. Cooper Park Building East Pennsauken, NJ 08109 (609) 665-6088 Charles H. Margolin, President

### Data Systems Consultants

60 Glen Ave. Glen Rock, NJ 07452 (201) 447-580 Ron Formella, President Private Total Sales FYE 12/81: \$1,700,000 Cptr. Sves. Revs. FYE 12/81: \$1,400,000 Computer Services Offered: Processing • Professional

Services • Turnkey Systems

Data Systems Consulting Corporation
See: Computer Network Corporation (Comnet)

#### Data Systems Corporation

8827 Štaples Mill Rd. Richmond, VA 23228 (804) 264-7300 A. Paul Cox, Jr., President

## **CAMP 1983**

## Directory of Computer Services Companies

## Data Systems Design, Inc.

2241 Lundy Ave San Jose, CA 95131 (408)946-5800

## Data Systems for Industry

See: Technology Management Systems International

### Data Systems of Arizona

2222 W. Encanto Blvd. Phoenix, AZ 85009 (602) 257-0965 Sam Babson, President

## Data Systems of Baton Rouge

8939 Jefferson Highway Baton Rouge, LA 70809 (504) 923-0888 Daniel R. Henderson, President

Private

Total Sales FYE 7/81: \$750,000 Est. Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

### Data Systems of California

954 Chestnut Street San Jose, CA 95110 (408) 286-4044 Tom Straughn, President Private

## Data Systems, Inc.

See: Dataco, Inc.

## Data Systems, Inc.

25 McDowell Rd., W. Phoenix, AZ 85003 (602)252-3474

Computer Services Offered: • Processing

#### Data Systems, Inc. 975 SE Sandy Blvd

Portland, OR 97214 (503)233-5126 William F. Holdner, President Public

Total Sales FYE 10/82: \$400,000 Computer Services Offered: • Processing

## Data Tabulating Corporation

1910 E. Meadowmere Springfield, MO 65804 (417) 869-1827 Wayne Kendall, President

#### Data Technical Analysts 2828 Paa St., Stc. 3000

Honolulu, HI 96819 (808)833-0051 Frank Fukunaga, President

### Data Tek, Incorporated

4915 Auburn P.O. Box 34270 Bethesda, MD 20814 (301) 654-6055 Pierre Debbane, President Private

Total Sales FYE 12/82: \$1,700,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Data Ten, Inc.

15560 Rockfield Blvd. Irvine, CA 92714 (714) 859-1529 Ed Allen, President Public

Total Sales FYE 7/83: \$3,500,000 Est. Computer Services Offered: • Processing

## Data Train, Inc.

840 N.W. 6th St, Suite 3 Grants Pass, OR 97526 (503) 476-1467 Robert Schillinger, President Total Sales FYE 5/81: \$350,000 Computer Services Offered: • Software Products

## Data Universal Corp.

1485 Teaneck Rd Teaneck, NJ 07666 (201) 837-2700 Gary Mokotoff, President

Private Total Sales FYE 5/82: \$1,300,000 Computer Services Offered: • Processing • Professional

#### Data Wholesale

DIVISIONS:

#### Data Capital 700 Whitney

San Leandro, CA 94577 (415) 638-1206

#### Data 21

19110 Van Ness Ave Torrance, CA 90501 (213)320-7110 Computer Services Offered: • Software Products

#### Data 3 Systems 3450 Mendoano Ave

Santa Rosa, CA 95401 (707) 528-6560 Richard C Anderson, President

Private Total Sales FYE 6/82: \$700,000 Est.

## Computer Services Offered: • Processing Data-Mate Inc

4135 South 100Th East Ave Suite 101 Tulsa, 0K 74145 (918)664-7276 Brad Jensen, President Total Sales FYE 7/82: \$500,000

Computer Services Offered: • Software Products

### Data-Pack Inc.

269 Brookside Road, Box 2116 Waterbury, CT 06720 (203) 756-7077 William Brazilchuk, President Private

### Data-Power

5750 Fairfax Commerce City, CO 80022 (303) 288-0721 Russ Lowery, President Private

## Data-Tax, Inc.

710 Ogden Ave, E. Naperville, IL 60540 (312)369-2414 Richard A. Stvan, President Private Total Sales FYE 6/82: \$600,000 Computer Services Offered: • Software Products

Data-Tek Corporation 1211 Chestnut Street Suite 400 Philadelphia, PA 19107 (215) 564-4133 H. Gus Mechalas, President

## Data-Tronics Corporation See: Arkansas Best Corporation

## Databank

Private

6830 North Lincoln Avenue Lincolnwood, 1L 60646 (312) 674-6800 Lester Stein, President

## Database Design Inc.

2020 Hogback Road Ann Arbor, MI 48104 (313) 971-5363 Donald R. Brown, President Total Sales FYE 6/83: \$2,030,000 Computer Services Offered: • Software Products • Professional Services

#### Database Systems Corp.

1846 Camelback Rd. Phoenix, AZ 85016 (602)265-5968 William McCluskey, President

## Datability Software Systems

New York, NY 10018 (212) 736-6260

## Datacare Inc.

Private

See: Ashland Oil Inc.

## **Datachron Corporation**

174 Fifth Avenue New York, NY 10010 (212) 675-5333 Martin Zeitlin, President & CEO

#### Dataco Computer Services See: Louisville Tabulating Service Bureau

Dataco, Inc. See: Robertson Financial Corp.

## Dataco, Inc.

2862 East Street Road Bensalem, PA 19020 (215) 639-6500 Richard Thompson, President Private

### SUBSIDIARIES:

#### Data Systems, Inc. 6500 Barrie Rd

Edina, MN 59435 (612) 925-0200 Gary Nichols, Vice President

## Information Control Inc.

6700 Corporate Dr. Kansas City, MO 64120 (816) 483-6900 Gary Abernathy, President

## Input Services, Inc.

2675 Cumberland Parkway N.W. Atlanta, GA 30339 (404) 432-0107 Albert Wiggins, President Total Sales FYE 6/82: \$1,400,000 Computer Services Offered: • Processing

## Datacom Systems Corporation

1501 Broadway New York, NY 10036 (212) 840-1177 Joseph Peldario, President Private

### **Datacomp Corporation**

See: Herbrick & Held Printing Company

#### Datacope

P.O. Box AA Hillcrest Sta. Little Rock, AR 72205 (501) 664-2715

## Datacor Services Inc.

1010 Westwood Blvd., Ste 400 West Los Angeles, CA 90064 (213)208-5621 John McCutcheon, President Total Sales FYE 12/81: \$1,600,000 Computer Services Offered: • Processing • Software Products

#### Datacrown Inc.

See: Crown Life Insurance Co.

#### Datafast Inc.

132 Montgomery Street Scarsdale, NY 10583 (914) 472-0165 James Dellarmi, President Private

## Dataflow Systems, Inc.

7758 Wisconsin Avenue Bethesda, MD 20014 (301) 654-9133

Bill Doudnikoff, President Private

Total Sales FYE 5/82: \$850,000 Computer Services Offered: • Professional Services

## Datagraphic Computer Services, Inc.

6856 Tujunga Ave. North Hollywood, CA 91605 (213) 877-3171 Albert J. Cadis, President Private

### Dataguard Corporation 15 Spinning Wheel Rd

Hinsdale, IL 60521 (321)789-2277 Computer Services Offered: • Software Products

### Datair Systems Corporation

2137 S. Lombard Ave Chicago, IL 60650 (312)652-4840 Andreas Tegtmier, President

San Francisco, CA 94107

#### Datalex Company 650 Fifth St.Ste 406

Private

(415)541-0780 Carolyn Morris, President Total Sales FYE 10/82: \$300,000 Computer Services Offered: • Software Products

### Datalift Corporation

320 Market St., 5th Fl. San Francisco, CA 94105 (415)777-2351 Bob McGowan, President Private

Total Sales FYE 12/81: \$1,500,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

### Key Data Services Inc.

4560 Horton St Emeryville, CA 94608 (415) 658-9582 Bob Overton, President Total Sales FYE 12/81: \$500,000 Computer Services Offered: • Processing

## **Dataline Corporation**

4 Danbury Road Wilton, CT 06897 (203) 762-2473 Hugh Bell, President

### Dataline Systems Ltd. 175 Bedford Rd

Toronto, ON M5R2L (416) 964-9515 J.C. Paradi, President Total Sales FYE 12/82: \$10,290,000 Computer Services Offered: • Processing • Professional Services

## Datalink Systems Inc.

See: Carlton Financial Systems

# Datalogics Inc.

## **Dataman Corporation**

1440-840 Seventh Ave, S.W. Calgary, AB T2P3G (403) 266-4638

#### Datamap, Inc. 9749 Hamilton Rd.

Eden Prairie, MN 55344 (612)941-0900 Private

#### Datamate Company, Inc. 4135 South 100th Ave, Ste 101

Tulsa, OK 74145 (918)664-7276 Computer Services Offered: • Software Products

## Datamatic 3713 Princeton Drive Santa Rosa, CA 95405

(707) 544-8848 Joseph Logan, President Total Sales FYE 8/82: \$3,000,000 Est.

Cptr. Sves. Revs. FYE 8/82: \$1,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

Datamatics Inc. 2120 L St., N.W. Suite 102 Washington, DC 20037 (202)466-7604 Arthur M Hughes, President Computer Services Offered: • Processing • Professional

**- 76 -**

### Datamatics Management Services

140 Sylvan Ave Englewood Cliffs, NJ 07632 (201) 947-6100 Norman Heinle, President Private

SUBSIDIARIES:

## Resource Software International, Inc.

330 New Brunswick Ave Fords, NJ 08863 (201)738-9600 Robert K. Boustedt, President

Datamation Inc.

2001 E. Campbell, Suite 107 Phoenix, AZ 85016 (602) 957-0999 Computer Services Offered: • Processing • Turnkey

## DataMed Systems Corporation

7301 Topanga Canyon Blvd Canoga Park, CA 91303 (213)887-3300 Computer Services Offered: • Turnkey Systems

Datamor

See: Korvettes

## Datanetics

226 Meyran Pittsburgh, PA 15213 (412) 621-7358 Jerome V. Lisovich, Director Private

Datanex, Inc. P.O. Box 30008

Eugene, OR 97403 (503) 687-2520 Jack Delay, President

Dataplex Company

9030 North Fwy,Ste 104 Houston, TX 77034 (713)448-4046 Robert C Raulins, President Computer Services Offered: • Processing • Software Products

Dataslink Business Systems, Inc. See: Delta Air Lines

Datatab Chicago Inc. See: Datatab Inc

Datatab Inc. 770 Broadway

New York, NY 10003 (212)475-7800 Sanford C. Adams, President Public Total Sales FYE 12/81: \$5,589,252 Computer Services Offered: • Processing SUBSIDIARIES:

## Datatab Chicago Inc.

740 North Rush Chicago, IL 60611 (312)943-1323 Lee Gallaher, President

Datatel Inc.

3700 Mt. Vernon Avenue Alexandria, VA 22305 (703) 549-4300 Earl G Kendrick, Jr, Chairman Private Total Sales FYE 12/82: \$16,178,000 Cptr. Sves. Revs. FYE 12/82: \$14,178,000 Computer Services Offered: • Processing • Turnkey

SUBSIDIARIES:

Datatel Minicomputer Company (DMC) 3700 Mt. Vernon Avenue

Alexandria, VA 22305 (703) 549-4300 Thomas R. Davidson, President

Datatel Minicomputer Company (DMC) See: Datatel Inc.

Datatend, Inc. 3914 Beau D'Rue Dr

Egan, MN 55122 (612)456-1526 Computer Services Offered: • Software Products

Datatronic Systems Corporation Computer Sciences Div.

14421 Chase St P O Box 44128 Panorama City, CA 91402 (213) 988-5290 M.P. Milane, President Computer Services Offered: • Processing

Dataware, Inc. 2565 Elmwood Ave

Buffalo, NY 14217 (716) 876-8722 Chester Czekaj, President

Dataword, AMI 1404 N.E. 140th Pl. Bellevue, WA 98007 (206)643-2050 Bruce D. Milne, President

Datec, Inc. 1141 Whitney Ave. Gretna, LA 70053

(504) 368-2097 William E. Regan Jr., V.P., Gen.Mgr. Private Total Sales FYE 9/83: \$2,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

Datek Insta Card Corporation See: Gold Knoll Savings Bank

Datex Inc

2445 Belmont Ave. Youngstown, OH 44504 (216) 744-0131 John W Henry, President

Private Total Sales FYE 12/82: \$800,000 Est. Computer Services Offered: • Software Products

Datran Corporation

319 Peck Street New Haven, CT 06513 (203) 787-5801 Edward Cholakian, President

Datronic Systems, Inc.

1729 N Central Expwy,Ste C Plano, TX 75075 (214)422-7711

Computer Services Offered: • Software Products

Datronics, Inc.

675 3rd Ave New York, NY 10017 (212)867-0800 Erwin Kaplin, President

Total Sales FYE 9/82: \$7,000,000 Computer Services Offered: • Professional Services

Davidson Associates

6069 Grove Oak Pl, Ste 12 Rancho Palos Verdes, CA 90274 (213) 378-7826 Janice Davidson, President Private

Total Sales FYE 12/82; \$1,000,000 Est. Computer Services Offered: • Software Products

Davidson Software Systems

P.O. Box 21002 Lansing, MI 48909 (517) 332-5989 Richard E. Davidson, Jr., President

Dawson Geophysical Company 208 Marienfeld,S

Midland, TX 79701 (915)682-7356 L Decker Dawson, President Total Sales FYE 9/82; \$10,635,000 Cptr. Svcs. Revs. FYE 9/82: \$3,000,000 Computer Services Offered: • Processing

Day & Zimmerman

1818 Market St Philadelphia, PA 19103 (215)299-8000 Harold L Yoh, Chief Executive Officer Private

SUBSIDIARIES:

Cole, Laver, Trumble Company

3535 Salem Avenu Dayton, OH 45406 (513) 276-5261 Private Computer Services Offered: • Software Products • Professional Services

DIVISIONS:

MDC Systems Corp

Philadelphia, PA 19103 (215) 299-8213

Private Computer Services Offered: • Processing • Software Products • Turnkey Systems

Daytona Data Center

P.O. Box 2119-65 Coral Sea Ave Daytona Beach, FL 32015 (904) 252-3633 Charles H. Hosbein, President

De Anza Systems, Inc.

118 Charcot Ave San Jose, CA 95131 (408)263-7155

Computer Services Offered: • Software Products

Deacom Data Consultants, Inc.

4 Prospect Ave Garden City, NY 11530 (516) 294-0388 Tom Deacom, President

Dealer Information Systems

1221 Fraser St. Bellingham, WA 98226 (206) 733-7610 Robert Brim, President Total Sales FYE 7/83: \$2,500,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Dealer Services Corp. 10 Executive Mall P.O. Box 875 Valley Forge, PA 19481 (215)687-9100 Nelson Bobb, President Private

SUBSIDIARIES:

Software Information Systems

10 Executive Mall, Ste 146 Wayne, PA 19087 (215) 688-2951 Nelson Bobb, President

DeBugge Computer Services Inc.

499 E. Palmetto Park Rd Boca Raton, FL 33432 (305) 392-0541 John P. Foss, President Private

Total Sales FYE 12/82: \$1,000,000 Computer Services Offered: • Software Products • Professional Services

## **Decimus Corporation**

See: Bank of America Corporation

## Decision Concepts, Inc.

415 Madison Avenue New York, NY 10017 (212) 751-5822 E.W. Rodrigues, President

Private

## Decision Focus Inc.

5 Palo Alto Square Suite 410 Palo Alto, CA 94303 (415) 494-7721 Dean W. Boyd, President

Private
Total Sales FYE 12/81: \$2,000,000

Computer Services Offered: 

Processing • Software Products • Professional Services • Turnkey Systems

### Decision Graphics

11 Main Street Southborough, MA 01772 (617) 481-4119 John B. Nisson, President Private

Total Sales FYE 7/81: \$850,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Decision Products Services, Inc See: Planning Decisions Group Inc.

#### Decision Resources, Inc

PO Box 309
Westport, CT 06881
(203)222-1974
Computer Services Offered: • Software Products

## Decision Science Inc.

4901 Morena Blvd. San Diego, CA 92117 (714) 273-2922 Lawrence J. Fogel, PH.D., President

Lawrence J. Fogel, PH.D., Presiden Private

#### Decision Sciences Corporation

Fox Pavillon, Suite 528 Jenkintown, PA 19046 (215) 887-1970 Donald F. Blumberg, President

Private
Total Sales FYE 6/82: \$5,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

## Telecommunications Management Corp.

6380 Wilshire Blvd., Ste. 808 Los Angeles, CA 90048 (213)653-0810 Carl Pilnick, President Computer Services Offered; • Professional Services

## Decision Strategy Consulting Group

708 Third Avenue New York, NY 10017 (212)867-7225 Martin Sternlicht, President

#### Decision Systems, Inc.

145 Soo Line Building 5Th And Marquette Ave Minneapolis, MN 55402 (612) 338-2585 Richard Borchers, President ivate

Total Sales FYE 12/81: \$950,000

Computer Services Offered: • Processing • Software Products • Professional Services

#### SUBSIDIARIES:

#### Minnesota Information Systems

Corporation
145 Soo Line Building
Minneapolis, MN 55402

(612)338-2585 Richard Borchers, President

#### Decisions Development, Inc. 115 East 9th Street Suite 16 A

New York, NY 10003
(212) 254-8405
Donald C. Holmes, President
Total Sales FYE 7/82: \$300,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

## Dedicated Minisystems for Banking Inc.

See: Bowers and Davis, Consultants and Engineers

#### Deitch Group, Inc. 1716 Ocean Ave

San Francisco, CA 94112 (415) 956-5740

#### Del Bron Inc

2767 Olive Highway, Ste 8 Oroville, CA 95965 (916)533-6332 J. L. Bronson, Chairman Private Total Sales FYE 7/82: \$450,000 Est.

Computer Services Offered: • Turnkey Systems

## Del Rey Systems, Inc.

8929 Sepulveda Blvd. Suite 105 Los Angeles, CA 90045 (213) 417-4993 Jonathan A. Humphry, President Private

Total Sales FYE 6/82: \$1,500,000 Est.

Computer Services Offered: • Professional Services •
Turnkey Systems

## Del-Data Computer Services

See: Independent Newspapers Inc.

## DeLair Data Systems, Inc.

2639 North 33rd Avenue Phoenix, AZ 85009 (602) 269-8373 W.E. DeLair, President

## Deloitte Haskins & Sells

114 Avenue of the Americas 19th Floor New York, NY 10036 (212)790-0500 Private Total Sales FYE 6/82: \$622.000.000 Est.

Private
Total Sales FYE 6/82: \$622,000,000 Est.
Cptr. Svcs. Revs. FYE 6/82: \$22,000,000 Est.
Computer Services Offered: • Professional Services

#### Delphi Associates, Inc. See: Little, Arthur D., Inc.

### Delnhi Data Systems, Inc.

9905 Hamilton Rd Eden Prairie, MN 55344 (612)941-9182 David Haertzen, President rivate

Total Sales FYE 10/82: \$450,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Delphi Systems Inc. 4605 Lankershim Blvd.

North Hollywood, CA 91602 (213) 985-7070 Kenneth W. Bitticks, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Delta Air Lines

Atlanta, GA

## SUBSIDIARIES:

Dataslink Business Systems, Inc. 6060 South Willow Dr.

Englewood, CO 80111
(303) 694-2116
Computer Services Offered: • Software Products

#### Delta Computer Systems

See: Data Financial Systems Inc.

## Delta Resources Inc.

Acquired by: Volt Information Sciences Inc.

## Demarco-Shatz Corporation

PO Box 3624 Redondo Beach, CA 90277 (213) 533-5080

### Densichron Division

See: Sargent-Welch Scientific Co

## Denver Processing Center, Inc

910 15th St, Ste 200
Denver, CO 80202
(303)571-1170
Hugo Puliju, President
Computer Services Offered: • Processing

## Denver Software Company, The

14100 E Jewell Ave, Ste 15 Aurora, C0 80012 (303)750-9800 Harald Blakeslee, President Private Total Sales FyE 7/82: \$1,200,000 Est. Computer Services Offered: • Software Products

## Desa, Inc. Name changed to: Dataco, Inc.

Traine changes to: Deleto, the

#### Desert Data Centers Inc. 805 S. Hohokam Dr.

Tempe, AZ 85281 (602) 968-3411 Rod Langum, President

#### Design Aids, Inc. 27822 El Lazo Rd

Laguna Niguel, CA 92677 (714)831-5611 Roger Rutman, President Private

Total Sales FYE 12/82: \$2,500,000

Computer Services Offered: • Software Products

## Designers & Builders of Information Systems

1 Mayfair Road Eastchester, NY 10707 (914) 779-5292 Edward Baron, President Private

Total Sales FYE 8/81: \$980,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### DesignWare

185 Berry St, Ste 158 San Francisco, CA 94107 (415)546-1866 James Schuyler, President Private

Computer Services Offered: • Software Products

## Desk Top Financial Solutions Inc

407 Main St Spotswood, NJ 08884 (201)251-7191

Computer Services Offered: • Software Products

### Development Systems International

4721 Laurel Canyon, Ste 205 Suite T North Hollywood, CA 91607 (213) 985-4260 Norman H. Carter, President

Private
Total Sales FYE 6/82: \$550,000
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Dewar Information Systems Corporation

221 West Lake Street Oak Park, 1L 60302 (312) 524-1644 S. Dewar, President Private

## **Dexel Systems Corporation**

479 North Potomac St Hagerstown, MD 21740 (301)790-1177 Terry E Karn, President Private

Total Sales FYE 12/81: \$300,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Dial Computer Corp. Merged with: Norwest Financial, Inc.

Dial, D.H. & Company
Murray Financial Center 5550 LBJ Frwy, LB-1
Dallas. TX 75240

Dallas, TX 75240 (214)458-0987 Computer Services Offered: • Software Products

Dialcom Inc.
Name Changed To: ITT Dialcom Inc.

## Dialog Information Services, Inc. See: Lockheed Aircraft Corporation

Dialogue Inc.

19 Rector Street 35th Floor
New York, NY 10006
(212) 425-2665
Ambar G. Rao, President
Private
Total Sales FYE 5/82: \$3,400

Frivate
Total Sales FYE 5/82: \$3,400,000 Est.
Cptr. Svcs. Revs. FYE 5/82: \$1,870,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### Dickerman Associates Inc. 99 State St.

Boston, MA 02109 (617) 367-5754 Howard Dickerman, President

## Dickey Grabler Company, The

SUBSIDIARIES:

Pioneer Software, Inc
4239 W 105th St Terminal West Park Bldg
Cleveland, OH 44135
(216)251-4900
William Prinrose, President
Total Sales FYE 6/82: \$750,000 Est.
Computer Services Offered: • Software Products •

Professional Services . Turnkey Systems

## Digicomp Research Corp.

Terrace Hill Ithaca, NY 14850 (607) 273-5900

## Digicon Inc.

3701 Kirby Drive
Houston, TX 77098
(713) 526-5611
Edward R. Prince Jr., President
Public
Total Sales FYE 7/83: \$153,482,000
Cptr. Svcs. Revs. FYE 7/83: \$77,400,000 Est.
Computer Services Offered: • Processing • Software

# Products • Turnkey Systems Digidat Systems Inc. 7 Westchester Plaza

77 Westchester Plaza Elmsford, NY 10523 (914) 592-5334 Stephen Tomback, President Private Total Sales FYE 11/81: \$500,000 Est. Computer Services Offered: • Processing

## Digital Business Systems, Inc. 95 Main St.

Reading, MA 01867 (617) 942-0220 Joseph McGonagle, President

## Digital Concepts Inc.

45 Maple St. Marlboro, MA 01752 (617) 485-4238

#### Digital Datacom Inc. 27721 La Paz Rd. Suite K

Laguna Niguel, CA 92677 (714) 831-8470 James Mariner, President Public Total Sales FYE 6/83: \$2,700,000 Computer Services Offered: • Turnkey Systems

## Digital Equipment Corporation

146 Main Street
Maynard, MA, 01754
(617) 493-5350
Kenneth H. Olsen, President
Public
Total Sales FYE 7/83: 54,271,854,000
Computer Services Offered: 

Software Products
Professional Services \*\*Unrew Systems

## Digital Information Systems Corp. (DISC)

3336 Bradshaw Rd, Ste 340
Sacramento, CA 95827
(916)363-7385
Ken Lidster, President
Private
Total Sales FYE 12/81: \$600,000
Computer Services Offered: • Software Products

## Digital Marketing Corporation

2363 Boulevard Circle
Walnut Creek, CA 94595
(415) 947-1000
Robert W. Baker, President
Private
Total Sales FYE 10/83: \$2,000,000 Est.
Computer Services Offered: • Software Products

## Digital Microsystems

1840 Embarcadero Oakland, CA 94611 (415) 532-3686 John Torode, President

Private Total Sales FYE 3/81: \$9,900,000
Cptr. Svcs. Revs. FYE 3/81: \$1,300,000
Computer Services Offered: • Software Products

## Digital Research Inc.

160 Central Ave P.O. Box 579 Paeific Grove, CA 93950 (408) 649-3896 John Rowley, President

Total Sales FYE 8/82: \$14,950,524 Est. Computer Services Offered: • Software Products

## Digital Resources International, Inc

#### SUBSIDIARIES:

### Digital Resources Corporation

5151 Mitchelldale Suite A 0 Houston, TX 77092 (713) 688-8300 Richard Muriby, President Total Sales FYE 1/81: \$3,000,000 Est. Computer Services Offered: • Processing • Professional Services • Turnkey Systems

## Digital Resources Corporation

See: Digital Resources International, Inc.

## Digital Solutions Inc.

100 Menlo Park Edison, NJ 08817 (201) 549-1700

## Digital Systems of Florida, Inc. See: Wyly Corporation

## Digital Systems Inc.

See: Computer Resources Inc.

## Digital Technology Group

SUBSIDIARIES:

## Continental Data Processing, Inc.

300 Larid Street, Box 1385 Wilkes-Barre, PA 18702 (717) 824-9868 Paul Gozick, President Total Sales FYE 12/81: \$925,000 Computer Services Offered: • Processing

#### Digitech Ltd

SUBSIDIARIES:

Digitech Systems 500 441-5th Ave, S.W Calgary, AB T2P2V (403)265-3484 Don Simpson, General Manager

## Digitech Systems

See: Digitech Ltd

## Digitgraph Computers Systems Co

2010 N Forbes Rd PO Box 5907 Tuscon, AZ 85703 (602)622-1006 John Kaur, President Computer Services Offered: • Processing

## Dimension Systems Corp

9948 Hilbert St San Diego, CA 92131 (619)693-8888 Computer Services Offered: • Software Products • Turnkey

## Systems DIMIS, Inc.

1806 Highway 35 PO Box 2293 Ocean, NJ 07712 (201)531-2300 Bentley J. Cooper, President Public Total Sales FYE 12/82: \$5,259,000 Computer Services Offered: • Software Products • Turnkey Systems

#### SUBSIDIARIES:

## R&B Computer Systems

1954 E. University Tempe, AZ 85281 (800) 528-7385 Charles Booth, President

Computer Services Offered: • Professional Services

#### Direct Merchandising Services

400 S Edward Mt Prospect, IL 60056 (312)398-7800 Ray Hover, President Private Total Sales FYE 12/82: \$3,250,000 Est. Computer Services Offered: • Processing

#### DIRECT, Incorporated

4201 Burton Drive Santa Clara, CA 90554 (408) 980-1414 Ernest J. Porcelli, President Total Sales FYE 6/83: \$20,000,000 Cptr. Sves. Revs. FYE 6/83: \$6,000,000 Computer Services Offered: • Turnkey Systems

#### Directions Inc

1740 N. Collins Blvd Richardson, TX 75081 (214) 238-8250 Terry W. Berndt, President Total Sales FYE 7/82: \$1,600,000 Computer Services Offered: • Software Products

**- 82 -**

## DISC/310 Corporation

1840 Lincoln Blvd. Santa Monica, CA 90404 (213) 451-8911

## DISC, Inc.

See: AGS Computers Inc.

#### Disco-Tech

P.O. Box 11129 Santa Rosa, CA 95406 (707) 523-1600

### Dispersed Software Systems, Inc. (DSS)

80 Wall St., Suite 1013 New York, NY 10005 (212) 363-2717

## Display Data Corp

Executive Plaza 4 Hunt Valley, MD 21031 (301)667-9211 Computer Services Offered: • Turnkey Systems

#### DISTEK

SUBSIDIARIES:

## SoftCorp International, Inc

229 Huber Village Blvd Westerville, OH 43081 (614)890-2820 Thomas E. Simpson, Vice President Total Sales FYE 7/83: \$700,000 Est. Computer Services Offered: • Software Products

#### Distributed Data Products Inc.

419 Occidental Ave. S Seattle, WA 98104 (206) 625-1565

## Distributed Systems Corp.

4 Lyberty Way P.O. Box 556
Westford, MA 01886
(617) 256-8742
James Cormier, President
Private
Total Sales FYE 6/81: \$4,000.000 Est.
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Bedford Computer Systems

4 Lyberty Way
Westford, MA 01886
(617) 275-0870
Roger Trudeau, President
Computer Services Offered: • Professional Services

## Distribution & Retail Systems Division

See: Informatics General Corn

## Distribution Management Systems Inc.

81 Hartwell Ave Lexington, MA 02173 (617) 863-5000 Cornelius Peterson, President Private Total Sales FYE 9/82: \$10,873,000 Cptr. Sves. Revs. FYE 9/82: \$10,873,000 Computer Services Offered: • Turnkey Systems

## Distribution Sciences Inc.

1350 E. Touhy Ave, Ste. 300W Des Plaines, II. 60018 (312)635-0200 Stephen R Smith, President Private Total Sales FYE 6/82: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products

#### Distributive Network of America

SUBSIDIARIES:

## Actuarial Computer Technology Inc.

6410 Rockledge Dr.
Bethesda, MD 20034
(301) 530-4400
Maria R. Katz, President
Computer Services Offered: • Processing • Software
Products • Professional Services

#### Distronics Corporation

See: Western Union Corporation

## Diversified Computer Applications

## Diversified Computer Systems

PO Box 1098 Greely, CO (303)356-2767 Computer Services Offered: • Software Products • Turnkey

## Diversified Data Processing & Consulting

5353 N. Federal Hwy. Ft. Lauderdale, FL 33308 (305) 772-0060

## Diversified Data Resources, Inc.

25 Mitchell Blvd., Stc. 7 San Rafael, CA 94903 (415) 499-8870 Computer Services Offered: • Software Products

## Diversified Data Systems Inc.

2601 N. Fairview Ave

Tucson, AZ 85705

(602) 792-3250
Donald W. Wyatt, President
Private
Total Sales FYE 12/81: \$1,500,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Diversified Software Systems Inc. (DSSI)

966 Minnesota Avc, Ste 205 San Jose, CA 95125 (408)998-0414

## Documan Software

P.O. Box 387 Kalamazoo, MI 49005 (616) 344-0805

### Donovan Data Systems Inc.

666 Fifth Avenue New York, NY 10019 (212) 586-0055 Private

## DOSE Pharmacy Systems

1645 Dorchester Plano, TX 75074 (214)596-2105 George Brooks, President

Total Sales FYE 10/81: \$1,000,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

## Dow Jones & Company Inc.

200 West Monroe St. Chicago, IL 60606 (312) 648-7666

#### DIVISIONS:

## Dow Jones Information Services Group

Princeton, NJ 08540 (609)452-2000 William L Dunn, President Cptr. Sves. Revs. FYE 12/82: \$21,000,000 Est. Conputer Services Offered: • Processing • Software Products

#### DIVISIONS

## Dow Jones News/Retrieval Service

Princeton, NJ 08540 (609)452-1511 William L Dunn, President Computer Services Offered: • Processing

## Dow Jones Information Services Group See: Dow Jones & Company Inc.

Dow Jones News/Retrieval Service See: Dow Jones & Company Inc.

## Doyle Data Systems, Inc.

740 North Plankinton Milwaukee, WI 53203 (414) 271-5688 Jerry Doyle, President Private

## Drafting Dynamics

4615 Industrial Ave Simi Valley, CA 93063 Computer Services Offered: • Turnkey Systems

## Dravac Ltd.

53 Deerhaven Rd. Suite 530 Mahwah, NJ 07430 (201)825-1616 Michael A. Lewis, President

## Drew Chemical Corporation

#### DIVISIONS:

## Drew Data Services

One Drew Chemical Plaza Boonton, NJ 07005 (201) 263-7661

#### Drew Data Services

See: Drew Chemical Corporation

#### Dubuque Data Services 840 Dubuque Building

Dubuque, İA 52001 (319) 557-7300 Glen J. Callahan, President Private Total Sales FYE 6/81: \$1,200,000 Est. Computer Services Offered: • Processing • Software Products • Turnky Systems

## Dun & Bradstreet Computing See: Dun and Bradstreet

----

#### Dun and Bradstreet 299 Park Ave.

New York, NY 10017 (212) 593-6800 Harrington Drake, President Cptr. Sves. Revs. FYE 12/82; 5142,000,000 Est. Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

## Dun & Bradstreet Computing

Wilton, CT 06897 (203) 762-2511 David Fehr, President Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

### TSI International Ltd.

50 Washington St. Norwalk, CT 06854 (203) 853-2885 Ernest E. Keet, President

### McCormack and Dodge, Inc.

560 Hillside Ave. Needham Heights, MA 02194 (617) 449-4012 J.M. McCormack, President

Computer Services Offered: 
Software Products

## **Zytron Corporation**

2200 Sand Hill Road Menlo Park, CA 94026 (415) 854-2306

## Duquesne Systems Inc.

2 Allegheny Center, Ste 622 Pittsburgh, PA 15212 (412) 323-2600 Glen F. Chatfield, President

Private

Total Sales FYE 9/83: \$4,000,000 Est.

Computer Services Offered: • Software Products

## Dvorkovitz, Dr. & Associates

P.O. Box 1748 Ormond Beach, FL 32074 (904) 677-7033

Computer Services Offered: • Processing

### Dyad Computer Systems Inc.

80 Bloor West Toronto, ON M5S 2 (416) 967-6565

#### **Dyatron Corporation**

P.O. Box 235 210 Automation Way Birmingham, Al. 35201 (205) 956-7500 Beverly P. Head, III, President and CEO Public Total Sales FYE 12/82: \$33,048,899 Cptr. Sves. Revs. FYE 12/82: \$25,544,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Dyer, Wells & Associates

450. Circle 75 Parkway Suite 2190
Atlanta, 6A, 30339
(404)955-2290
Joseph T. Dyer, President
Private
Total Sales FYE 3/83: \$5,500,000 Est.
Computer Services Offered: \* Software Products \*
Professional Services.

### DYLAKOR

See: Sterling Software, Inc.

#### Dynabyte

115 Independence Dr. Menlo Park, CA 94025 (415) 329-8021 Michael Watts, President

## **Dynalectron Corporation**

1313 Dolley Madison Blvd, McLean, VA 22101 (703) 356-0480 Charles G. Gulledge, President Public

Total Sales FYE 12/82: \$457,935,000 Cptr. Svcs. Revs. FYE 12/82: \$15,000,000 Est. Computer Services Offered: • Processing • Professional Services

## Dynamco Data Systems

2639 Manana Drive Dallas, TX 75220 (214)353-0918

Computer Services Offered: • Software Products

## Dynamic Concepts, Inc.

27122 El Moro Mission Viejo, CA 92691 (714) 770-1191 Douglas Chadwick, President

### **Dynamic Control Corporation**

250 Bird Rd
Coral Gables, FL 33146
(305) 444-6524
David Pomerance, President
Private
Total Sales FYE 6/82: 33,500,000 Est.
Computer Services Offered: • Software Products

## Dynamic Data Processing Inc.

7932 Eastern Avenue Silver Spring, MD 20910 (301) \$89-8950 Kenneth L. Brooks, President Private Total Sales FVE 9/81: \$4,000.000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Dynamic Microprocessor Associates, Inc.

545 Fifth Ave New York, NY 10017 (212)687-7115 Computer Services Offered: • Software Products

## Dynamic Solutions, Inc.

50 Lytton Ave. Hartsdale, NY 10530 (914) 949-6058 Joseph Melhado, President Private

## Dynamicro Software Corp. (DSC)

8388 Vickers Street
San Diego, CA 92111
(619) 571-5453
Russ Ries, President
Private
Total Sales FYE 10/82: \$2,000,000 Est.
Computer Services Offered: • Software Products

## **Dynamics Associates**

See: Chase Manhattan Bank, N.A.

### **Dynamics Research Corporation**

60 Concord St. Wilmington, MA 01887 (617)658-6100 John S. Anderege Jr., President and Chairman Public

Total Sales FYE 12/82: \$38,572,000 Cptr. Svcs. Revs. FYE 12/82: \$25,700,000
Computer Services Offered: • Processing • Professional

Dynatech Corporation 3 New England Executive Park Burlington, MA 01803

(617) 272-3304 SUBSIDIARIES:

> Utah Scientific 2603 NE 17th Terrace P.O. Box 13382 Gainsville, FL 32601 (904) 378-1750

Charles Schultz, Jr., President

Dynax Resources, Inc. 44 Harbor Parks Dr. Port Washington, NY 11050 (516) 484-1144 Elaine Schee, President Private Total Sales FYE 12/83: \$1,300,000 Est. Computer Services Offered: • Software Products • Professional Services

E. H. Crump Companies Inc. 5350 Poplar Avenue Memphis, TN 38187

(901) 761-1550 Sidney A. Stewart, Jr., President Total Sales FYE 12/82: \$52,127,000 Cptr. Svcs. Revs. FYE 12/82: \$521,270

DIVISIONS:

E.H.C. Data Group 5350 Poplar Avenue Memphis, TN 38187 (901) 761-1550 Computer Services Offered: • Processing • Software

Products • Professional Services E.H.C. Data Group See: E. H. Crump Companies Inc.

EBS Data Processing Inc. 5670 South Syracuse PO Box 5606 TA Denver, CO 80217 (303) 773-1313 Ramon V. Jarrell, President

Total Sales FYE 7/82: \$8,500,000 Est.

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

EDP Corporation, The 30 Tower Road Newton, MA 02164 (617)964-3890 Stephen Levine, President

Computer Services Offered: • Software Products

EDP Design Consultants, Inc. 100 Progress Pkwy, Ste 226 Maryland Heights, MO 63043 (314) 432-5797

Mark Feinstein, President Private

EDP Management, Inc. 5465 Lake Murray Boulevard La Mesa, CA 92041

(714) 462-5400 Charles E. Cox, President

EDP of America, Inc.

Raritan Plaza II Edison, NJ 08817 (201) 225-1823 Ira Bakst, President Private

EDP Services Company Inc. 2930 West Imperial Highway Suite 512 Inglewood, CA 90303 (213) 757-4101

Richard Shaw, Sr., President **EDP Systems** 3376 S. Eastern Ave. Ste. 130

Las Vegas, NV 89109 (702)731-2080

**EDS** Timesharing See: Center Fuel

EEC Systems 286 Boston Post Rd Wayland, MA 01778 (617)358-7781 Eric S Dickman, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

EECO Computer Inc See: EECO Incorporated

EEC0 Incorporated

SUBSIDIARIES:

EECO Computer Inc 1441 Chestnut, E Santa Ana, CA 92701 (714) 835-6000 Adolf Cosentino, President

Total Sales FYE 12/82: \$6,500,000 Computer Services Offered: • Turnkey Systems

EFT and Data Services Division See: NCR Corporation

EFT Data Services, Inc. See: Control Data Corporation

## ELS Systems Engineering

## See: PHUTZ\$ Inc.

## EMA. Inc

270 Metro Square Bldg St Paul, MN 55101 (612)298-1992 Alan W Manning, President Private

Total Sales FYE 12/81: \$2,500,000 Computer Services Offered: . Software Products . Professional Services

## ERG Software, Inc.

101 Industrial P Lufkin, TX 75901 (713)639-3271

Computer Services Offered: • Software Products

## ESE, Inc.

222 N. Dearborn St. Chicago, IL 60601 (312) 431-6777

Computer Services Offered: • Processing

P.O. Box 5617 1801 Gadsen St., S. Tallahassee, FL 32301 (904)224-5182 David Murphy, President Total Sales FYE 9/81: \$1,200,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

## ESP Computer Services Inc.

724 South Spring Street Los Angeles, CA 90014 (213) 628-9216 Edward T. Kam, President Private

#### ETA International, Inc. Seven Wells Avenue

Newton, MA 02159 (617) 527-8200 Thomas F. Meurer, President Private Total Sales FYE 1/84: \$2,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### **Eagle Computing Corporation** See: First National Bank of Midland

Eagle Systems See: Computer Research, Inc.

## East-West Center

1777 East West Dr. Honolulu, HI 96848 (808)944-7111 Lee-Jay Sho, President

#### Eastern Airlines, Inc. Miami International Airport

Miami, FL 33148 Frank Borman, President

### Eastern States Bankcard Associates

Lake Success, NY 11042 (516) 488-1500 Roland Eppley, President

Total Sales FYE 4/83: \$40,000,000 Est. Computer Services Offered: • Processing

## Eaton-Kenway, Inc.

310 S. Main, Suite 1400 Salt Lake City, UT 84101 (801) 532-2555 Kenneth A. Richins, President

## **ECCO Consulting Incorporated**

607 Washington Road Pittsburgh, PA 15228 (412) 561-5509 Joseph Ott, President Private

## ECOM Associates, Inc.

8634 Brown Deer Rd, W Milwaukee, WI 53223 (414) 354-0243 Computer Services Offered: • Software Products

## Econo Data, Inc.

I East 4th St Cincinnati, OH 45202 (513) 421-7071 John Durkin, President

#### Economic Information Systems Inc See: Control Data Corporation

#### Economic Sciences Corporation 2150 Shattuck Avenue

Berkeley, CA 94704 (415) 841-6869 B.F. Roberts, PH.D., President Private

## Economic Technology Association (ETA)

6120 Bristol Parkway Culver City, CA 90230 (213) 670-6167 W. C. Johnson, President Private Computer Services Offered: • Software Products • Professional Services

Economy Company, The

#### SUBSIDIARIES:

## American Educational Computer Inc.

2450 Embarcadero Way Palo Alto, CA 94303 (415) 494-2021 Thomas B. Garsh, President

Public

Total Sales FYE 12/82: \$434,768,000 Computer Services Offered: • Software Products

Edelman Systems, Inc. 244 Peachtree Blvd. Suite 102

Baton Rouge, LA 70806 (504) 387-1441 Dr. Edelman, President Private

EDU-Ware Services, Inc 28035 Dorothy Dr. P.O. Box 22222 Agoura, CA 91301 (213)706-0661

Steven Pederson, President Private

Total Sales FYE 7/82: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Educational Computer Center

PO Box 1217 Lynchburg, VA 24505 (804) 845-0935 D.G. McCants, President

#### Educational Methods, Inc See: Mid-American Investment

## Edwards, J.D. & Company

5290 DTC Parkway Englewood, CO 80111 (303) 773-3732

#### Effective Software Products See: Automated Business Systems Inc.

## Ehrhart Babic Associates

SUBSIDIARIES:

## Ehrhart Babic Data Services

120 Route 9W Englewood Cliff, NJ 07632 (201) 947-4747 Robert Sargent, President

#### Ehrhart Babic Data Services See: Ehrhart Babic Associates

## Election Computer Services Inc.

575 Lexington Ave New York, NY 10022 (212) 840-7644 Don J. Martin, President

Electro Scientific 13900 Science Park Dr. NW Portland, OR 18974 (503)641-4141

#### Electro-Data Inc.

1741 Summer St Hammond, IN 46320 (219) 932-6000

5554 South Prince St.

#### Electrocon International, Inc. See: Harris Corporation

## Electron Information Systems

Littleton, CO 80120 (303) 794-8716 Tom Richards, President Private

Total Sales FYE 12/81: \$2,500,000

Computer Services Offered: • Processing • Professional

## Electronic Banking Systems

1750 N Collins Ave Richardson, TX 75080 (214)235-2165 Tom Metz, President

Computer Services Offered: • Professional Services

### Electronic Business Services

219 North Encina Street P.O. Box 368 Visalia, CA 93277 (209) 732-8601 J.C. Crawford, Vice President Private

### Electronic Calculus Inc.

468 Park Avenue South New York, NY 10016 (209) 732-8601 George Kastro, President Private

7171 Forest Lane

## Electronic Data Systems Corporation

Dallas, TX 75230 (214) 661-6000 Morton Meverson, President Public

Total Sales FYE 6/83: \$651,579,000 Cptr. Svcs. Revs. FYE 6/83: \$629,701,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Centurion

1780 Jay Ell Dr. Richardson, TX 75081 (214) 699-8400

#### Cunadata Corporation

P.O. Box 378 Madison, WI 53701 (608) 231-5000 Carroll Smith, President

## Data Processing of the South Inc.

1043 E. Morehead Street Charlotte, NC 28204 (704) 375-5100 A.S. Blakenship Jr., President

## Weiland Computer Group, Inc.

2311 W 22nd St Oakbrook, 1L 60521 (312) 325-9300

## Electronic Office Software

3819 West 9th Overland Park, KS 66206 (913) 381-7176 Computer Services Offered: • Software Products

## Electronic Processors Ltd.

234 Goodwin Crest Birmingham, AL 35209 (205) 942-2323 Robert A. Altman, President

#### Electronic Systems Inc.

7645 Production Drive Cincinnati, OH 45237 (513) 761-5610 A.L. Schneider, President Private

#### Electronic Tabulating Corporation 1100 Union Avenue P.O. Box 728

Newburgh, NY 12550 (914) 564-6000 Walter Rhulen, President Total Sales FYE 12/82: \$6,025,396 Cptr. Svcs. Revs. FYE 12/82: \$5,921,000 Computer Services Offered: . Processing . Software Products • Turnkey Systems

## Electronic Tabulating Service Inc.

300 Ivy Street NE Atlanta, GA 30301 (404) 688-8411 Dick Kreinest, President Private

998 Zane Avenue North

Golden Valley, MN 55422

#### Elke Corporation

(612) 546-1779 Robert Nelson, President Total Sales FYE 7/81: \$500,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Elshout & Associates

P.O. Box 2650 Pasadena, CA 91105 (213) 796-0642

## Embassy Institute, The

901 Washington St. Wilmington, DE 19801 (302) 654-6688 John J. Murdock, Director Total Sales FYE 7/81: \$600,000 Est. Computer Services Offered: . Software Products

## Empire Computer Software

See: Sterling Software, Inc.

#### Empire Cybernetic Associates

58-75 Queens Midtown Expwy Maspeth, NY 11378 (212) 682-5460 Robert Schoolsky, General Director

#### Employee Communication Services Inc.

757 Third Ave New York, NY 10017 (212)758-6966 Edward T. McCaffrey, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Encomp Systems, Limited

50 Union Avenue Irvington, NJ 07111 (201) 399-9000 Robert F. Melworm, PH.D., President Private

#### Endata, Inc. 50 Vantage Way

Nashville, TN 37228 (615) 244-0244 Douglas C. Altenbern, President Public Total Sales FYE 12/82: \$31,941,000 Cptr. Svcs. Revs. FYE 12/82: \$28,700,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

## Energy Analysts Inc 2205 Century Circle

Irving, TX 75062 (214) 438-6660 Melvan Carter, President Computer Services Offered: • Processing

Energy Enterprises of Denver

## Company

Merged with General Electric Information Services

#### Energy Management Associates See: Planning Decisions Group Inc.

#### Energy-Tek Software 64 South St

Albany, NY 13152 (315) 685-8313 Computer Services Offered: . Software Products

Energy, Inc.
One Energy Drive
Idaho Falls, ID 83401
(208) 529-1000

William V. Botts, President

Total Sales FYE 9/82: \$29,800,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Enertec Inc.

19 Jenkins Avenue Lansdale, PA 19446 (215) 362-0966 Richard C Whiffen, President Private

Total Sales FYE 9/81: \$600,000 Computer Services Offered: • Processing • Software

Engineered Products Computer Systems

Group P.O. Box 6767 Greenville, SC 29606 (803) 962-7951

Engineering Interface Ltd.
2 Shepard Ave. East Suite 200
Willowdale, ON
(446) 226-6565
R.T. Temblin, President Private

Engineering Software Systems 2813 Akino Court San Jose, CA 95122 (408) 274-2627 Jerry Perko, Proprietor Private

Engineering Systems Corporation 1801 Staring Lane Suite 103 Baton Rouge, LA 70808 (504) 769-2226 Michael D. Clotiaux, President

Total Sales FYE 6/81: \$500,000 Est. Computer Services Offered: • Software Products • Turnkey

Engineering Systems Research Co. (ESR) P.O. Box 104, Route 1 Toivola, MI 49965 (906) 288-3456

Ted Johnson, President Private

Enterprise Computer Systems
815 South Main St.

Jacksonville, FL 32207 (904) 399-3899 Bruce Franklin, President

Total Sales FYE 12/81: \$875,000 Est. Computer Services Offered: • Software Products

Enterprise Technology Corp. 305 Madison Ave. New York, NY 10165 (212) 972-1860 Kevin Merz, President Private

Environmental Systems Research Institute

380 New York Street Redlands, CA 92373 (714) 793-2853 Jack Dangermond, President

Private Total Sales FYE 7/82: \$3,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Epic Computer Products Inc

18381 Bandilier Circle Fountain Valley, CA 92708 (714)963-7898 Computer Services Offered: • Software Products • Turnkcy Systems

Ensilon Data Management, Inc.

24 New England Executive Park Burlington, MA 01803 (617) 273-0250 Harold M. Brierley, President Private

Equifax Inc. 1600 Peachtree St NW PO Box 4087

Atlanta, GA 30309 (404)885-8000 W Lee Burge, Chairman Public Total Sales FYE 12/82; \$436,705,000

Cptr. Svcs. Revs. FYE 12/82: \$141,300,000 Computer Services Offered: • Processing • Turnkey Systems

SUBSIDIARIES:

Credit Bureau Inc. of Georgia

PO Box 4091 Atlanta, GA 30302 (404) 885-8000 Computer Services Offered: • Processing

Equifax Services Inc. 1600 Peach Tree St. NW Atlanta, GA 30309

(404) 885-8000 Ralph N. Jones, President

SUBSIDIARIES:

Data Financial Systems 2550 Huntington Ave. Room 105 Alexandria, VA 22303 (703) 960-4400 Fred Trust, President

Equifax Services Inc. See: Equifax Inc.

Equitable Trust Bank

320 Main St. Laurel, MD 20810 (301)547-4000 Computer Services Offered: • Processing

ERCO See: Anacomp, Inc.

#### Erisco Inc.

See: Thomas National Group, Inc., The

## Ernst & Whinney 1300 Union Commerce Bldg.

Cloveland, OH 44115 (216)861-5000 Private Total Sales FYE 9/82: \$900,000,000 Computer Services Offered: • Software Products • Professional Services

### Escom, Inc.

See: Anacomp. Inc.

## Essential Software

6210 Federal At Agoura, CA 91301 (213) 991-8100 Computer Services Offered: • Software Products

## Essex Corporation

333 N. Fairfax Street Alexandria, VA 22314 (703) 548-4500 Frank Manning, President Public

Total Sales FYE 12/82: \$18,300,000 Cptr. Svcs. Revs. FYE 12/82: \$7,000,000 Computer Services Offered: • Software Products • Professional Services

## Evaluation Planning Systems International, Inc (FPS)

See: Evaluation Planning Systems Ltd (EPS)

## Evaluation Planning Systems Ltd. (EPS)

SUBSIDIARIES:

## Evaluation Planning Systems International, Inc (EPS)

1 Industrial Way Windham, NH 03087 (603)898-1800 Chris Carter, President

Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Evans & Sutherland 580 Arapeen Dr PO Box 8700

Salt Lake City, UT 84108 (801) 582-5847 David C Evans, President Public Total Sales FYE 12/82: \$53,736,000 Cptr. Svcs. Revs. FYE 12/82: \$3,500,000 Est. Computer Services Offered: • Software Products

## Evans, Griffiths & Hart, Inc.

55 Waltham St. Lexington, MA 02173 (617) 861-0670 Thomas G. Evans, PH.D., President

## Evansville Data Processing Corporation

Evansville, 1N 47714 (812) 479-6951 Nathan Lieberman, President

## Evergreen Geophysical Associates Inc

Evergreen, CO 80439 (303)674-6677 A E Dufford, President Computer Services Offered: • Processing

## Exact Systems & Programming

Corporation
1 Labriola Ct
Armonck, NY 10504
(914)273-8100
Hank Oswald, President

## **Exchange National Bank**

SUBSIDIARIES:

### Exchange Service Management Corporation

Lasalle at Monroe & Adams Chicago, IL 60603 (312)781-8079 Charles S. Bishop Jr, President Computer Services Offered: • Professional Services

## Exchange Service Management

Corporation
See: Exchange National Bank

# EXECUCOM Systems Corporation 3401 Far West Boulevard

Austin, TX 78731 (512)346-4980 Richard Hodge, President Private

Total Sales FYE 12/82: \$19,261,000
Computer Services Offered: • Software Products

## Executax, Inc.

700 W. Esplanade Ave Kenner, LA 70062 (504)469-4516 Computer Services Offered: • Processing

# Executec Corporation 12200 Park Central Dr Ste 470 Dallas, TX 75251

(214)239-8080
Ken Parker, President
Private
Total Sales FYE 12/82: \$1,200,000 Est.
Computer Services Offered: • Software Products

## **Executive Compumetrics**

14810 S. Cicero Ave. Oak Forest, IL 60452 (312) 687-1150 Stephen Gierach, President

Private Total Sales FYE 12/81: \$500,000 Est. Computer Services Offered: • Software Products •

Professional Services

Executive Systems, Inc. See: American Management Systems

## **Executive Technology Data Systems**

28104 Orchard Lake Rd, Ste 108 Farmington Hills, MI 48018

(313)626-0770 William M. Marker, President

Private Total Sales FYE 9/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

Exploration Processing Corp International Trade Center 2525 Murworth,Ste 122 Houston, TX 77054 (713)661-4901 F.B Calhoon, President Computer Services Offered: • Processing

## Explorer Seismic Services

10067 Timberoak Houston, TX 77080 Rafael Cruz, President

Computer Services Offered: • Processing

**Express Software** 

125 Jericho Turnpike Jericho, NY 11753 (516)333-6733

Computer Services Offered: • Processing

F.A.C.S.

26600 Telegraph Rd,Ste 204 South Field, MI 48034 (313)358-5455 Douglas Christensen, President
Computer Services Offered: • Processing • Professional

FBM Systems Inc. 1920 McKinney Ave Dallas, TX 75201

(214)741-6785 Computer Services Offered: • Processing • Software

FMG Corporation

See: Applied Data Corporation FS Service Inc.

1701 Towanda Avenue Bloomington, IL 61701 (309) 828-0021 Melvin Sims, President Private

FTD Florists

SUBSIDIARIES:

Floral Network, Inc.

165 North Canal St. Chicago, IL 60606 (312) 930-2000 Bob Poirier, Manager

FTW Associates, Inc.

120 Wall St. New York, NY 10005 (212)344-4097

Computer Services Offered: . Software Products

Facilities Management Services

601 N. Magnolia Ave. P.O. Box 8277 Orlando, FL 32856 (305) 422-5880

Factory Systems

See: Rolfe Associates Inc.

Fair, Isaac Companies
55 Mitchell Blvd

San Raphael, CA 94903 (415) 472-2211 William R. Fair, President

Total Sales FYE 9/82; \$9,000,000 Est. Computer Services Offered: • Professional Services

Fairfield Data Processing See: Fairfield Industries, Inc.

Fairfield Industries, Inc.

DIVISIONS:

Fairfield Data Processing

Houston, TX 77042 (713)981-8181 John G Wearing, Manager

Computer Services Offered: • Processing

Fannin Bank

P.O. Box 20008 Houston, TX 77025 (713) 790-1000 Ernest Deal, President

FAST-TAX

Name changed to: Computer Language Research

Federal Data Corp 4601 North Park Ave

Chevy Chase, MD 20815 (301)986-0800 Bob Hanley, President

Computer Services Offered: • Professional Services • Turnkey Systems

Federal Electric Corporation

## **CAMP 1983**

## Directory of Computer Services Companies

## Federal Equity Evaluation

1775 Broadway New York, NY 10019 (212) 246-3885 Ronald Kane, President

### Fein-Marquart Associates Inc. 7215 York Road

7215 York Road Baltimore, MD 21212 (301) 821-5980 Alvin E. Fein, PH.D., President Private

#### Ferox Microsystems, Inc. 1701 North Ft. Meyer Dr. Suite 611 Arlington, VA 22209

(703)841-0800 Russel C. Luhring, President Private Total Sales FYE 7/82: \$500,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Fidelity Union Bancorporation

765 Broad Street Newark, NJ 07101 (201) 430-4000 Peter Cartmell, President Public

## Fidler Bateman 4232 N Brandywine Dr

Systems

Peoria, 1L 61614 (309)691-4333 Cliff Bateman, President Private Total Sales FYE 7/81: \$2,000,000 Est. Computer Services Offered: • Processing • Turnkey

# Fiduciary Processing, Inc.

200 East 66th Street New York, NY 10021 (212) 535-3564 Howard F. Beir, President

## Fields Financial Services Inc

See: American Express Company

#### Figgie International

SUBSIDIARIES:

## Figgie Systems Management Group, Inc.

Willoughby, OH 44094
(216)946-900
Walter J Hayes, President
Total Sales FYE 12/81: \$4,000,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkcy Systems

# Figgie Systems Management Group, Inc. See: Figgie International

Filchris Corporation

### SUBSIDIARIES:

SPAN Management Systems

Westminister Industrial Park 1 Catamore Blvd. East Providence, RI 02914 (401) 438-1115 David Allen, President

## Financial Accounting Services, Inc.

3637 N. Meridian Indianapolis, 1N. 46208 (317) 923-6512 Philip Bryant, President Private

#### Financial Data Services

1430 Truxton Avenue, Stc. 535
Bakersfield, CA 93389
(805) 324-6437
Bret Myers, Partner
Total Sales FYE 12/82: \$110.000 Est.
Commuter Services Offered: • Software Products

## Financial Data Systems, Inc.

#### Financial Decisions Systems, Inc. 2835 Dorothy Dr

Agoura, CA 91301 (213)706-2000 Warren Richard, President Private Total Sales FYE 3/83; \$2,500,000 Computer Services Offered: • Processing • Software Products

## Financial Industry Consultants Inc. 244 Goodwin Crest Dr. Suite 218

Birmingham, AL 35209 (205) 942-6707 C.W. Russell, President Private

## Financial Institution Services, Inc.

49 Music Square West
Nashville TN 37203
(615) 339-2400
Henry C. McCall, President
Public
Total States FYE 3/83-537,192,000
Total Saser, Ren. FYE 3/83-51,227,336
Computer Services Offered. • Processing • Software
Products

#### Financial Interstate Services

617 Main Ave PO Box 15003 Knoxville, TN 37901 (615)637-2035 Tom Sudman, President

Computer Services Offered: • Processing

## Financial Management Associates

690 Saratoga Ave. San Jose, CA 95129 (408) 377-0324 Bill Ogden, Vice President

## Financial Network Architects, Inc.

11030 Roselle St,Ste D San Diego, CA 92121 (714) 455-7086 Robert F. Finley, President Private

## Financial Services, Inc.

175 Rock Road Glen Rock, NJ 07452 (201) 652-6000 John Schunke, President

Total Sales FYE 6/82: \$8,000,000 Computer Services Offered: • Processing

#### Financial Software Inc. 2200 North Lake Parkway

Atlanta, GA 30034 (404) 491-3300 Edward Allen, President Private Total Sales EVE 12/82: \$2,400

Total Sales FYE 12/82: \$2,400,000

Computer Services Offered: • Software Products

## Financial Software of America

See: Wyly Corporation

## Financial Statistics, Inc.

500 South Ervay Suite 452B Dallas, TX 75201 (214) 742-5569 William McFarlin, President Private

### Financial Systems Consultants

See: Indiana Bank and Trust

### Financial Technology, Inc.

612 North Michigan Avenue Chicago, IL 60611 (312) 280-0600 Jerome E. Franckowick, President Private

#### Finar Systems Limited

303 South Rice Ave.Sie 208 Suite 212 Houston, TX 77036 (713)960-1309 Steven Cook, President Triviate Total Sales FYE 12/81: \$850,000 Computer Services Offered: • Software Products

#### Finpac Corporation

Windsor & Forrest Avenues Narberth, PA 19072 (215) 667-6100 J. Raezer, President Private

## Finserv Computer Corporation

1462 Eric Blvd.
Schencetady, NY 12305
(518) 374-4430
Creighton Brittell, President
Private
Total Sales FYE 12/81: \$5,700,000
Cptr. Svcs. Revs. FYE 12/81: \$3,700,000
Computer Services Offered: • Processing • Software

# Fireman's Fund Insurance Co.

First Bank & Trust Company 5300 Crawfordsville Road Indianapolis, IN 46224

(317) 241-2361

First Bank System, Inc.
P.O. Box 522 1200 First Bank Place East
Minneapolis, MN 55480
(612) 370-5157

George H. Dixon, President

## SUBSIDIARIES:

Public

Products

### First Computer Corporation

332 Minnesota St St. Paul, MN 55101 (612) 291-5877 Delroy R. Hayunga, President Total Sales FYE 12/82: \$31,706,000 Computer Services Offered: • Processing

## First Chicago Corporation

SUBSIDIARIES:

## Comtrac Inc.

6606 Single Tree Dr. Worthington, OH 43229 (614) 436-0850 Robert Aronson, President Private Total Sales FYE 6/83: \$10,000,000 Est. Computer Services Offered: • Processing

#### First Chicago Data Corporation See: First National Bank of Chicago

## First City National Bank Of Houston

SUBSIDIARIES:

#### First City Services Company 1111 Fannin St. P.O. Box 2557

Houston, TX 77001 (713) 658-7041 Hugh Barrett, President Total Sales FYE 12/82: \$7,393,000 Computer Services Offered: • Processing

## First City Services Company See: First City National Bank Of Houston

#### First Computer Corp. 825 N. Cass Ave.

Westmont, 1L 60559 (312) 920-1050 Jerome A. Martin, President

## First Computer Corporation See: First Bank System, Inc.

First Computer Services, Inc See: First Union Corporation

#### First Data Corporation See: Automatic Data Processing Inc.

First Data Management Company See: First Oklahoma Bancorporation, Inc.

## First Data Resources, Inc.

See: American Express Company

## First National Bank in Little Rock

Capitol at Broadway Little Rock, AR 72201 (501) 371-7311

## First National Bank of Louisville

P.O. Box 36000 Louisville, KY 40232 (502) 581-5386

#### First National Bank of Anchorage, The P.O. Box 720

Anchorage, AK 99510 (907) 276-6300 Daniel Cuddy, President

## First National Bank of Boston and Uniroyal, Inc.

SUBSIDIARIES:

## First of Boston Computeristics, Inc.

100 Federal St. Boston, MA 02110 (617) 434-6357 Philip E. Jennings, President

## First National Bank of Chicago

SUBSIDIARIES:

## First Chicago Data Corporation

443 Wabash Avc, N Chicago, 1L 60611 (312)923-7200

## First National Bank of Midland

#### DIVISIONS:

Eagle Computing Corporation 300 West Missouri P.O. Box 1599 Midland, TX 79701 (915) 685-2190 (915) 683-2190
Ray Kendall, President
Total Sales FYE 12/82: \$4,772,000
Cptr. Svcs. Revs. FYE 12/82: \$4,772,000
Computer Services Offered: • Processing

First National Corporation of Appleton 200 West College Ave PO Box 1859 Appleton, WS 54913 (414)735-1300 William D Wolter, President
Cptr. Svcs. Revs. FYE 12/81: \$1,000,000 Est.
Computer Services Offered: • Processing

## First of Boston Computeristics, Inc. See: First National Bank of Boston and Univoyal, Inc.

## First Oklahoma Bancorporation, Inc.

DIVISIONS:

## First Data Management Company

irst Data Management Company PO Box 25189 Oklahoma City, OK 73125 (405) 272-4090 Willian P. Adams, President Total Sales FYE 12/82: \$18,000,000 Computer Services Offered: • Processing • Professional

#### First Security Bank of Beaumont

SUBSIDIARIES:

## First Security Financial Systems, Inc.

P.O. Box 3391 Beaumont, TX 33304 (713) 838-9406 Frank Smeal, President Private

## First Security Financial Systems, Inc. See: First Security Bank of Beaumont

First Systems Corp 865 Manhattan Beach Blvd, Manhattan Beach, CA 90266 (213)546-5581 Computer Services Offered: • Software Products

## First Union Corporation

First Union Plaza Charlotte, NC 28288 (704)374-6565

### SUBSIDIARIES:

First Computer Services, Inc 1st Union Tower Charlotte, NC 28288 (704) 374-6614 Willis R. Rhodes, President Computer Services Offered: • Processing

### First Wisconsin Corp.

SUBSIDIARIES:

### First Wisconsin National Bank of Milwankee

777 East Wisconsin Avenue Milwaukee, W1 53202 (414) 765-4629 Jack Hendee, President

## First Wisconsin National Bank of Milwaukee

See: First Wisconsin Corp.

## Fischer & Porter

County Line RD. Warminster, PA 18974 (215)674-6000

## Fishbach, McCoach & Associates Inc.

30 Fast 42nd Street, #808 New York, NY 10017 (212) 682-5696 Joseph W. Fishbach, President

## Fisher-Stevens Inc.

120 Brighton Rd. Clifton, NJ 07012 (201) 471-4000 Private

## Fits System Inc.

1 Red Oak Lane White Plains, NY 10604 (914) 694-1554 Brian J. Fitzpatrick, President Private

## Five Technology, Inc.

4 Deer Trail Old Tappan, NJ 07675 (201) 358-0890 Ty Tyler, President

Private Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

## Flagship Banks Inc.

SUBSIDIARIES:

## Flagship Services Corporation

P O Box 23300 Tampa, FL 33623 (813)885-9111 Forrest Waddle, President

#### Flagship Services Corporation See: Flagship Banks Inc.

Fleet Financial Group Corporation

SUBSIDIARIES:

#### Fleet Information, Inc.

P.O. Box 1329 Annex Station 125 Dupont Dr. Providence, RI 02903 (401) 278-5900 Martin Stein, President Total Sales FYE 12/82; \$18,000,000 Cptr. Svcs. Revs. FYE 12/82: \$2,000,000 Computer Services Offered: • Processing

## Fleet Information, Inc.

See: Fleet Financial Group Corporation

## Fleet Management Systems, Inc. See: Public Technology, Inc.

Floral Network, Inc. See: FTD Florists

### Flores Associates

108 8th Avenue Brooklyn, NY 11215 (212) 789-1312 Ivan Flores, President Private

## Florida Software Services

See: Kirchman Corporation Florida State University

### Florida State University Computing Center

Tallahassee, FL 32306 (904) 644-2764 J. J. Stephens, Acting Director Computer Services Offered: • Processing • Software

## Flow General, Inc.

7655 Old Springhouse Rd. McLean, VA 22102 (703) 895-5915 Grant Ehrlich, President Total Sales FYE 6/83: \$150,000,000

Products • Professional Services

Cptr. Svcs. Revs. FYE 6/83: \$7,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

## Fong Gifford Associates

233 Wilshire Blvd, Ste. 303 Santa Monica, CA 90401 (213) 393-9891 H. Gifford Fong, President

Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: • Processing • Professional Services

#### Foothill Associates

1730 N. Euclid Unland, CA 91786 (714) 982-0666

#### Ford & Associates, Inc 133 Center St PO Box 402

Grayslake, IL 60030 (312)223-2291 Kenneth G. Ford, President

Private
Total Sales FYE 11/82: \$250,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

#### Foremost McKesson

SUBSIDIARIES:

## Pharmaceutical Card Systems, Inc.

2005 N. Central Avenue Phoenix, AZ 85004 (602)257-1500 Total Sales FYE 3/82: \$18,000,000 Est. Computer Services Offered: • Processing

## Three PM Inc. (3 PM)

30881 Schoolcraft
Livonia, MI 48150
(313) 427-2000
Robert Yanover, President
Total Sales FYE 3/83: \$22,122,000
Cptr. Sves. Revs. FYE 3/83: \$19,910,000
Computer Services Offered: • Processing • Turnkey
Systems

#### Foresight, Inc. 2741 North 29th Avc. Suite 212

Hollywood, FL 3020
(305) 920-9604
William Bennett, President
Private
Total Sales FYE 3/81: \$1,000,000 Est.
Computer Services O'ffered: • Software Products •
Professional Services • Turkey Systems

## Forest Computer Inc

OFEST COMPUTER INC 238 West Saginaw, Suite 204 East Lansing, MI 48823 (517)332-7777 Computer Services Offered: • Software Products

## Forest Lawn Company

SUBSIDIARIES:

## Metropolitan Computer Center

1600 S. Glendale Avenue P. O. Box 1500 Glendale, CA 91209 (213) 258-2711 Philip Freeman, Manager

#### Foretax

1901 Avenue of the Stars Los Angeles, CA 90067 (213)277-2722 Computer Services Offered: • Processing

## Formation Inc.

823 East Gate Drive Mt. Laurel, NJ 08057 (609) 234-5020

### Formula Consultants, Inc.

P.O. Box 544 Anaheim, CA 92805 (714) 778-1738 Joe Dale, President

### Fortex Data Corporation

Acquired/merged with Wyly Corporation

## FORTH, Inc.

See: Technology Industries

#### Four-Way Systems 380 S. Schmale St.

Carol Stream, IL 60187 (312)690-6300 Raymond Dalton, President Private

## Fox & Geller, Inc.

604 Market Street
Elmwood Park, NJ 07407
(201) 794-8883
Peter Casperson, CEO
Private
Total Sales FVE 4/83: \$3,000,000 Est.
Computer Services Offered: 

Software Products
Professional Services

## Frankel Engineering Laboratories, Inc. 125 S. Fifth Street

Reading, PA 19603 (215) 373-5205 Samuel Frankel, President Private

#### Franklin Institute Research Laboratories, The

20th & Race St. Philadelphia, PA 19103 (215) 448-1556

#### Frey Associates, Inc.

Chestnut Hill Rd.
Amherst, NH 03031
(603) 627-1123
Private
Total Sales FYE 12/82: \$3,600,000
Computer Services Offered: • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

## Frey Federal Systems Corporation

8115 Old Dominión Dr. McLean, VA 22102 (703)821-8920 Eric D. Frey, President Computer Services Offered: • Professional Services

## Frey Federal Systems Corporation

See: Frey Associates, Inc.

## Frey, Donald R & Co

Fort Thomas, KY 41075 (606) 441-6566 Donald Frey, President Computer Services Offered: • Software Products • Professional Services

## Freyburg Systems Associates Inc.

20 Exchange Place New York, NY 10005 (212)425-0650 Richard Thurber, President

## Friends Software

Tioga Building,Ste 440 PO Box 527 Berkeley, CA 94701 (415)540-7282 Computer Services Offered: • Software Products

## Friesen International, Inc.

See: American Medical International Inc.

# Frontier Management Systems

214 Harvard Ave. Allston, MA 02134 (617) 734-2070 Edward Katzenberg, President

#### Frost National Bank See: Cullen-Frost Bank Inc.

Fulton Data Systems See: Fulton National Bank

### Fulton National Bank

DIVISIONS:

## Fulton Data Systems

55 Marietta Street Atlanta, GA 30302 (404) 529-4111 Gordon Jones, President

## FundsNet, Inc. 99 West Sheffield Ave.

Englewood, NJ 07631 (201) 569-7764 Kenneth Payne, President Total Sales FYE 12/81: \$5,166,000 Computer Services Offered: • Processing

#### Funeral Home Management Systems, Inc. See: American Express Company

Fusion Products 900 Larkspur L.C

Larkspur, CA 94939 (415) 381-1340 William Turner, President Total Sales FYE 12/82; \$1,500,000 Computer Services Offered: • Software Products

## G. T. Software, Inc.

1965 North Park Place Atlanta, GA 30339 (404) 955-8866 Joe Ganem, President Computer Services Offered: • Software Products

## GAI California, Inc.

See: Galler Group, The

### **GMA** Software

2946 North Merrimac Avenue Chicago, IL 60634 (312) 889-3050 George Milam, President Private

#### GMD Systems International Inc. 8601 Dunwood Pl., Stc. 420

Atlanta, GA 30338 (404) 587-0934 T. Glaza, President Total Sales FYE 12/82; \$3,000,000 Computer Services Offered: • Professional Services

## GMS Systems, Inc.

3475 Brainerd Road Chattanooga, TN 37411 (615) 629-2591 Sam H. Smith, Jr., President Private

## GMS Systems, Inc.

12 West 37th St. New York, NY 10018 (212)947-3590 Ralph Watson, President

Total Sales FYE 10/82; \$1,500,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## GSI-USA Inc.

SUBSIDIARIES

### Transcomm Data Systems, Inc. 1384 Old Freeport Rd.

Pittsburgh, PA 15238 (412) 963-6770 Alex Burstein, President Total Sales FYE 12/81: \$7,000,000 Computer Services Offered: • Software Products • Turnkey Systems

## GTE Telenet Communications Corporation

See: General Telephone & Electronics

### GTE Telenet Information Services, Inc.

Acquired/Merged with ADP Brokerage Services Division

## **GTECH Corporation**

101 Dyer Street Providence, RI 02903 (401) 273-7700 Guy Snowden, President

Public Total Sales FYE 2/83: \$32,402,339 Cptr. Svcs. Revs. FYE 2/83: \$13,418,125 Computer Services Offered: • Professional Services • Turnkey Systems

## **GWP** Corporation

336 Baker Ave Concord, MA 01742 (6117) 369-1807 Computer Services Offered: • Turnkey Systems

## Gains Systems Group

2021 Spring Road Oak Brook, IL 60521 (312) 325-9390

#### Galler Associates Inc.

Name changed to: Galler Automation Industries Inc.

#### Galler Automation Industries Inc. 1000 Wilson Blvd., Ste. 2105

Arlington, VA 22209 (703) 525-9292 Jerry Galler, President Total Sales FYE 12/82: \$9,600,000 Cptr. Svcs. Revs. FYE 12/82: \$9,500,000

Computer Services Offered: • Software Products •

## Professional Services Galler Group, The 1118 East Missouri

Phoenix, AZ 85014 (602) 277-5486

#### SUBSIDIARIES:

GAI California, Inc. 23868 Hawthorne Blvd. Suite 201 Torrance, CA 90505 (213) 378-9422 Computer Services Offered: • Professional Services

Galler Hospitality Systems Inc. 520 South 52nd St., Ste. 209
Tempe, AZ 85281 (602) 968-1633 Robert Runge, Vice President Computer Services Offered: • Turnkey Systems

Micor-Net, Inc. 520 S. 52ND St., Ste. 207 Tempe, AZ 85281 (602) 273-4260

Jack Byers, General Manager Computer Services Offered: • Software Products

#### Galler Hospitality Systems Inc. See: Galler Group, The

### Gamble Skogmo

#### SUBSIDIARIES:

#### Gambles Datamation

2709 No. Ontario St Burbank, CA 91504 (213) 843-6411 Russell Garside, General Manager Private

## Gambles Datamation

See: Gamble Skogmo

### Gamma Systems Services

1027 5th Ave North St Petersburg, FL 33705 (813)822-6600 Fred W Green, Principal Private

Total Sales FYE 12/81: \$1,000,000

Computer Services Offered: • Processing • Software

Products • Professional Services

Gamma Technology 2452 Embarcadero Way Palo Alto, CA 94303 (415) 856-7421 Hank S. Magnuski, President Private

### Gancom Inc.

See: Gannett, Fleming, Corddry, & Carpenter

## Gannett, Fleming, Corddry, & Carpenter

SUBSIDIARIES:

#### Gancom Inc. P.O. Box 1459

Harrisburg, PA 17105 (717) 763-7226 J. Douglass Berry, President Private Total Sales FYE 12/81: \$4,400,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Garies Engineering Petroleum Consultants, Inc.

#### SUBSIDIARIES:

### Petroleum Software, Inc.

211 North Ervay Building Dallas, TX 75201 (214) 744-0975 Don Garies, President Total Sales FYE 3/82; \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

## Garner Venture Computing 10590 West Office Suite 102

Houston, TX 77042 (713) 977-4646 Charles Garner, President Private Total Sales FYE 7/83: \$1,500,000 Est.

Computer Services Offered: • Processing • Professional Services

## Garrett Computing Systems Inc.

1111 Republic Bank Tower Dallas, TX 75201 (214) 741-1026 John E. Garrett, President

Private Total Sales FYE 6/81; \$1,250,000 Est. Computer Services Offered: • Software Products

Gaylord Bros., Inc. Library Systems

Division

7272 Morgon Rd. Liverpool, NY 13088 (315) 457-5070 Marion Stafford, President Private

Geac Canada Limited

350 Steelease Rd. West Markham, ON L3R1B (416) 495-0525

DIVISIONS:

Geac, Inc.

6300 Variel Avenue Woodland Hills, CA 91367 (213) 887-3180 Andy Jaine, General Manager Public Total Sales FYE 4/83; \$10,000,000 Computer Services Offered: • Turnkey Systems

Geac, Inc. See: Geac Canada Limited

**GEJAC Incorporated** 

P. O. Box 188 Riverdale, MD 20737 (301) 864-3700 Gregg E. Church, President

Total Sales FYE 9/81: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Gelco Corporation Edin Prairie, MN

SUBSIDIARIES:

K-Squared Systems

1101-G State Road Geleo Corporation NJ 08540 (609) 924-2500 Herbert R. Kane, President

Total Sales FYE 8/82: \$2,500,000 Computer Services Offered: • Turnkey Systems

Gellman, Hayward & Partners

27 Queen St. E. Toronto, ON M5C2M (416) 862-0430 Harvey Gellman, President Private

Gemini Business Systems 5797 Chesapeake Ct, Ste A

San Diego, CA 92123 (714) 292-8101 J.C. Shelton, President Private Total Sales FYE 12/81: \$1,000,000

**GENASYS** Corporation

11300 Rockville Pike One Central Plaza Bldg Rockville, MD 20852

(301) 770-4600 John Puhala, President Private

Total Sales FYE 6/82: \$7,600,000 Computer Services Offered: • Professional Services

SUBSIDIARIES:

Gentech, Inc. 11300 Rockville Pike

Rockville, MD 20852 (301)770-4600 John Puhala, President

Genasys International

17 East 45Th St New York, NY 10016 (212)532-8555 Gary Guttman, President

Computer Services Offered: • Software Products

Genelco, Inc. See: General American Life Insurance Corporation

General American Life Insurance

Corporation SUBSIDIARIES:

Consultec

6065 Roswell Road Atlanta, GA 30328 (404) 252-2883 Gray Arnold, President

Total Sales FYE 12/82: \$6,000,000 Est. Computer Services Offered: • Processing • Professional Services . Turnkey Systems

Genelco, Inc.

1201 Machlind St Louis, MO 63110 (314) 644-3200 David B Johnson, President Total Sales FYE 12/81: \$2,900,000 Cptr. Svcs. Revs. FYE 12/81: \$578,000

Computer Services Offered: • Processing • Software Products • Professional Services

General Automation, Inc.

1055 South East Street Anaheim, CA 92805 (714) 778-4800 Leornard Mac Kenzie, President Public

Total Sales FYE 7/83: \$65,718,000 Cptr. Sves. Revs. FYE 7/83: \$32,895,000
Computer Services Offered: • Turnkey Systems

### General Computer Corporation

See: Revco Drug

### General Computer Management Corporation

7979 Old Georgetown Road Bethesda, MD 20014 (301) 656-7300 Jack Maslin, President Private

## General Construction Data Systems.Inc

See: General Contractor Data Services

#### General Contractor Data Service 13535 Floyd Circle

Dallas, TX 75243 (214)783-0050 Roy Wilson, President Private Total Sales FYE 12/82: \$1,450,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### SUBSIDIARIES:

#### General Construction Data Systems,Inc PO Box 222200

Dallas, TX 75222 (214)783-0050 Tom Cofer, President Computer Services Offered: • Turnkey Systems

### General Data Consultants (GDC)

606 S. Mendenhall Memphis, TN 38117 (901) 761-4740 James Whipple, President

#### General Data Systems, Ltd.

1520 Locust Street Philadelphia, PA 19102 (215) 985-1780 L. Mirabella, President

#### General Devices Inc.

#### SUBSIDIARIES:

#### World Wide Computer Services 7 Doig Rd

Wayne, NJ 07470 (201)694-8876 John Davis, President Total Sales FYE 12/82: \$6,000,000 Est. Computer Services Offered: • Professional Services

## General Electric CAE International, Inc.

See: General Electric Company & Structural Dynamics Research

## General Electric Company

P.O. Box 43 Schenectady, NY 12301 (518) 385-3801 Reginald H. Jones, Chairman & CEO Public

#### SUBSIDIARIES:

#### Calma Company 2901 Tasman Dr.

Santa Clara, CA 95050 (408) 748-9600 Robert J. Smuland, President Total Sales FYE 12/82: \$140,000,000 Computer Services Offered: • Turnkey Systems

### General Electric Information Services Company

401 North Washington Street Rockville, MD 20850 (301) 340-4000 Walter W. Williams, President Total Sales FYE 12/82: \$645,000,000 Est. Cptr. Sves. Revs. FYE 12/82: \$550,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

Banking Systems Inc. 4550 Beltway Dr. W Suite 1212 Dallas, TX 75234 (214)386-0965 Jack Filder, President

#### General Electric Professional Services

Company 205 East 42nd Street New York NY 10017 (212) 682-1800

Anthony Blomfield, President Computer Services Offered: • Professional Services

#### Network Consultants, Inc. 101 N. Waeker Dr., Ste. 400

Chicago, IL 60606 (312) 853-3725 John E. Liess, Chairman Computer Services Offered: • Software Products •

Professional Services

## Software International Corp.

2 Elm Square Andover, MA 01810 (617) 475-5040 William G. Watson, President

#### Mitrol, Inc.

One New England Executive Park Burlington, MA 01803 (617) 273-4111 Harold Adler, President

## General Electric Company & Structural Dynamics Research

#### SUBSIDIARIES:

## General Electric CAE International, Inc

2000 Eastman Drive Milford, OH 45150 (513)576-3800

Joe R. Frazier, President
Total Sales FYE 12/82: \$13,500,000 Est.
Computer Services Offered: • Processing • Software Products . Professional Services

## General Electric Information Services Company

See: General Electric Company

## General Electric Professional Services

Company See: General Electric Company

General Health Corp. 1046 Potomac St. NW Washington, DC 20007 (202) 965-4881 James Bernstein, M.D., President Private

## General Physics Corporation

1000 Century Plaza Columbia, MD 21044 (301)982-1240 Computer Services Offered: • Software Products • Professional Services

#### DIVISIONS:

# Management Systems Consulting Services 1000 Century Plaza Columbia, MD 21044

(301)730-4055 Computer Services Offered: • Professional Services • Turnkey Systems

General System Sciences 651 Little Wekiva Rd Altamonte Springs, FL 32701 (305) 869-6457

Computer Services Offered: • Software Products

## General Systems Group, Inc.

Salem, NH 03079 (514) 866-3301 Ugo O. Gagliardi, President Computer Services Offered: • Professional Services

## General Systems Inc. 1101 Noble Forest Dr. Norcross, GA 30092 (404) 449-8617

#### General Telephone & Electronics

SUBSIDIARIES:

## GTE Telenet Communications Corporation

8229 Boone Boulevard Vienna, VA 22180 (703) 442-1000 J. David Hann, President Computer Services Offered: • Processing

## Generated Systems, Inc.

209 N. Hale Wheaton, IL 60187 (312)668-0506 Computer Services Offered: • Software Products

## Generation Sciences International

See: Computer Systems Design Inc.

## Generic Systems Inc.

2123 Mango Place Jacksonville, FL 32207 (904) 396-7233 J. Osborn, President Private

#### Genesee Computer Center, Inc. 20 University Avenue

Rochester, NY 14605 (716) 232-7050 David C. Pixley, President Public Total Sales FYE 5/81: \$1,431,069 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

## Genesistems, Inc

1672 Monroe Ave Rochester, NY 14618 (716) 473-8260 Computer Services Offered: • Software Products

### Genesys International

See: Computer Systems Design Inc.

### Genesys Software Systems, Inc 10 Grafton St

Lawrence, MA 01843 (617)685-5400 Larry Munine, President Total Sales FYE 6/82: \$4,000,000 Computer Services Offered: . Software Products

#### Genetron, Inc.

Turnkey Systems

1515 West 22nd St,Ste 1000 Oakbrook, IL 60521 (312)325-5400 J.M. Heffern, President Private

#### Genigraphics Corporation

P.O. Box 591 Liverpool, NY 13088 (315) 456-2060 Flavil O. Van Dyke, President Private Computer Services Offered: • Professional Services •

## Genisco Computers See: Genisco Technology Corporation

Genisco Technology Corporation

### DIVISIONS:

#### Genisco Computers

3545 Cadillae Ave. Costa Mesa, CA 92626 (714) 556-4916 Robert Gray, President

#### Gentech, Inc.

See: GENASYS Corporation

### Geo Data Corporation

PO Box 3476 Tulsa, OK 74101 (918)584-3366 Ben Rummerfield, President

Computer Services Offered: • Processing • Professional Services

### Geo-Search Seismic Processors

Midland Division Headquarters 601 Marienfeld,N Midland, TX 79701 (915)683-6191 Computer Services Offered: • Processing

### Geobased Systems, Inc 725 W Morgan St

Raleigh, NC 27603 Stephen H. Pratt Private Total Sales FYE 7/83: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Geodynanmics Incorporated 9896 Bissonnet Suite 632

Houston, TX 77036 (713)776-8235 Daniel H Sullivan, President Computer Services Offered: • Processing

## Geographic Systems

Professional Services

Redding, MA 01867 (617)942-0051 John Bowen, President Private Total Sales FYE 9/81: \$1,500,000 Est. Computer Services Offered: • Software Products •

### Geophysical Computing Corp

96 Inverness Dr East,Ste A
Englewood, CO 80112
(303)779-5660
Joseph F Roos, President
Computer Services Offered: • Processing • Professional
Services

## Geophysical Service Inc.

See: Texas Instruments Inc.

#### Geophysical Systems Corp 2085 East Footbill Blvd

2085 East Foothill Blvd
Pasadena, CA 91107
(213)793-9511
Samuel J Allen, President
Public
Total Sales FYE 12/81: \$35,895,000
Cptr. Svcs. Revs. FYE 12/81: \$2,200,000
Computer Services Offered: • Processing

#### GeoQuest International Inc. 4605 Post Oak PL,Ste 130

Houston, TX 77027 (713)627-7180 Ronald N Hodgson, President Private Total Sales FYE 7/82: \$7,500,000 Est. Computer Services Officerd: • Software Products • Professional Services • Turnky Systems

## Georex Inc.

See: Compagnie Generale de Geophysique

## George Goode & Associates

1461 N. Central Expressway Suite 100 Richardson, TX 95080 (214) 690-0595 Computer Services Offered: • Processing • Software Products

## Geoscience Petroleum Services Corp

555 17Th St.Ste 3340
Denver, CO 80202
(303)825-567
Dearal W Beddo, President
Computer Services Offered: • Processing • Professional
Services

## Geosource Inc.

See: Actna Life & Casualty

#### Gerard Systems, Inc 151 South Warner Rd, St 330 Wayne, PA 19087

(215) 687-5900 Computer Services Offered: • Software Products

## Gerber Garment Technology Inc. See: Gerber Scientific, Inc.

#### Gerber Scientific Instrument Company, The

See: Gerber Scientific, Inc.

## Gerber Scientific Products, Inc. See: Gerber Scientific, Inc.

### Gerber Scientific, Inc. 83 Gerber Road, West

South Windsor, CT 06074 (203) 644-1551 H. Joseph Gerber, President Public Total Sales FYE 4/83: \$118,282,000

Total Sales FYE 4/83: \$118,282,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

## Gerber Garment Technology Inc.

55 Gerber Road West South Windsor, CT 06074 (203) 644-2401

## Gerber Scientific Instrument Company,

The 83 Gerber Road West South Windsor, CT 06074 (203) 644-1551

#### Gerber Scientific Products, Inc. 261 Broad Street

Manchester, CT 06040 (203) 643-1515

#### Gerber Systems Technology, Inc. 40 Gerber Road East

South Windsor, CT 06074 (203) 644-1551

## Gerber Systems Technology, Inc.

See: Gerber Scientific, Inc.

## GESCO Corporation

See: Guarantee Savings and Loan

#### Gilbert Associates Inc.

P.O. Box 1498 Reading, PA 97208 (215) 775-2600 Alexander F. Smith, President

Public Total Sales FYE 12/82: \$244,493,000

Cptr. Svcs. Revs. FYE 12/82: \$2,000,000 Est.

Computer Services Offered: • Processing • Software Products

#### Global Computer Systems Inc

42800 Garfield Rd Mount Clemens, MI 48044 (313)286-1321

Computer Services Offered: • Software Products

## Global Data Corporation/DFA

See: Aregon Group Ltd

## Global Data Corporation, Inc. See: Aregon Group Ltd

Global Data Midwest Corp See: Arcgon Group Ltd

## Global Data/CSD

See: Aregon Group Ltd

#### Global Software

See: Storage Technology Corporation

### Gnat Computers

7895 Convoy Court, Ste 6
San Diego, CA 92111
(714)560-0433
Robert Carter, President
Computer Services Offered: • Software Products

### Goal Systems International Inc

5455 North High Street PO Box 29481 Columbus, OH 43214 (614)888-1775 Steve R. O'Donnell, President Private Total Sales FYE 1/83: \$6,000,000 Computer Services Offered: • Software Products

## Gold Knoll Savings Bank

SUBSIDIARIES:

#### Datek Insta Card Corporation

525 Aero Drive Buffalo, NY 14225 (716) 634-3900 Ken Young, President Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: • Processing

### Goldbrick Inc.

1461 Ridgeview Rd Columbus, OH 43221 (614)451-0121 Richard H Brickley, President Computer Services Offered: • Software Products

#### Golden West Broadcasters

SUBSIDIARIES:

## Market Buy Market

5858 Sunset Blvd. Los Angeles, CA 90028 (213) 469-5341

#### Gottfried Consultants 3435 Wilshire Blvd.

Los Angeles, CA 90010
(213) 387-2271
Ira Gottfried, President
Private
Total Sales FYE 9/81: \$4,000,000 Est.
Computer Services Offered: • Professional Services

## Government Systems Group

1420-A South Village Way Santa Ana, CA 92705 (714)953-5901 Ron C Williams, President Computer Selrice Offered: • Software Products

#### Grafcon Corporation PO Box 54909 Tulsa, OK 74155

(918)663-5291

#### Graham-Dorian Enterprises

#### DIVISIONS

## Graham-Dorian Software Systems, Inc.

211 North Broadway Wichita, KS 67202 (316) 265-8633 Don Adams, President

## Graham-Dorian Software Systems, Inc.

See: Graham-Dorian Enterprises

### Gramco Inc.

2419 Nicollet Ave. Minneapolis, MN 55404 (612) 871-1459 Michael J. Hurley, President rivate

Total Sales FYE 6/81: \$900,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

## Granada Systems Design, Inc.

303 Fifth Ave New York, NY 10016 (212)686-6945

#### Grand Terrace Data Systems 22805 Barton Rd.

22805 Barton Rd. Grand Terrace, CA 92324 (714) 783-2231 James E. Hughes, President Private

## Graphic Arts Data Service

### Graphic Data

P.O. Box 99991 San Diego, CA 92109 (714) 274-4511 Carl Gerle, President

#### Graphic Software Systems 25117 SW Parkway PO Box 673 Wilsonville, OR 97070

Wilsonville, OR 97070 (503)682-1606 Private Computer Services Offered: • Software Products

#### Graphics Concepts, Inc. 6797 N. High St., Ste. 131 Columbus, OH 43085

(614) 885-2416 William A. Young, President Private Total Sales FYE 7/83: \$1,500,000 Cptr. Sves. Revs. FYE 7/83: \$1,395,000 Computer Services of Turnkey Systems Professional Services • Turnkey Systems

## Graphics Technology Corporation 1777 Conestoga St

Boulder, CO 80301 (303) 449-1138 Computer Services Offered: • Turnkey Systems

#### Great Divide Software 8060 West Woodard Dr

Lakewood, CO 80227 (303)337-0383 Computer Services Offered: • Software Products

## Great Lakes Information Systems Ltd.

5 Research Dr Ann Arbor, MI 48103 (313)663-6402 Computer Services Offered: • Software Products

### Great Plains Software, Inc.

123 North 15th St. Fargo, ND 58102 (701) 293-8483 Joseph C. Larson, President Private Total Sales FYE 7/84: \$2,000,000 Est. Computer Services Offered: \* Software Products

## Greater Cleveland Computer Center See: Cuvahoga Savings & Loan, and First Federal of

See: Cuyahoga Savings & Loan, and First Federal of Cleveland

#### Greer Sontag Associates Inc. 6 East 45Th St

New York, NY 10017 (212)661-5564 Leonard B. Greer, President Private Total Sales FYE 7/82: \$500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

### Gregg Corp

SUBSIDIARIES

### Gregg Systems Corp

100 Fifth Ave Waltham, MA 02254 (617)890-7227 Gregg Heacock, President Computer Services Offered: • Software Products

## Gregg Systems Corp

## Grenier Associates Inc.

1133 Avenue of the Americas 35Th Floor New York, NY 10036 (212) 248-4352 Donald Grenier, President

## Groundstar Software

10350 South De Anza Blvd Suite 2D Cupertino, CA 95014 (408)446-3432 Stan Phillips, President Private Total Sales FYE 12/81: \$375,000 Est. Computer Services Offered: • Software Products

Group Operations, Inc. 1110 Vermont Ave NW,St 500 Washington, DC 20005

(202) 887-5420 P.E. Loiterstein, President Private

Private
Total Sales FYE 6/83; \$5,500,000
Cptr. Svcs. Revs. FYE 6/83; \$4,950,000
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Grumman Corporation

#### SUBSIDIARIES:

Grumman Data Systems Corporation
150 Crossways Park West
Woodbury, NY 11797
(516) 575-1847
Robert A. Naffis, President
Total Sales FYE 12/82. \$67,100,000 Est.
Computer Services Offered. \* Processing \* Professional

#### SUBSIDIARIES:

ISI Systems Inc.

161 Forbes Rd. Braintree, MA 02184 (617) 848-4620 Charles C. Johnston, President

## Grumman Data Systems Corporation

See: Grumman Corporation

## Guarantee Savings and Loan

### SUBSIDIARIES:

GESCO Corporation 3747 E. Shields Avenue Fresno, CA 93726 (209) 224-8373 Michael Mitchell, President Total Sales FFE 12/82: \$16,800,000 Est. Computer Services Offered: \* Software Products \* Professional Services

## Gulf Coast Computer Services

1619 6th Street Bay City, TX 77414 (713) 245-0736

#### Gull Resources Management Systems, Inc. See: Gull, Inc.

Gull, Inc. 395 Oser Avenue P.O. Box 9400 Smithtown, NY 11787

#### SUBSIDIARIES:

Gull Resources Management Systems, Inc 100 Parkway Drive, South PO Box 9400 Smithtown, NY 11787

(516)435-0600 (S16)433-0000 Peter D'Agrosa, President Total Sales FYE 5/83: \$38,500,000 Cptr. Svcs. Revs. FYE 5/83: \$1,115,000 Computer Services Offered: • Turnkey Systems

## **Gulley Computer Associates**

2300 East 14th Tulsa, OK 74104 (918) 932-3628 Dale Gulley, President

### Gurries and Okamoto Inc.

### DIVISIONS:

AGMO Software

30 Hotaling Pl. Ste 204

20863 Stevens Creek Blvd Cupertino, CA 95014 (408)255-0184 Computer Services Offered: • Professional Services

#### H & A Computer Systems Inc

San Francisco, CA 94111 (415) 434-3517 Alan Hochschild, President Private Total Sales FYE 4/82: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

## H & M Systems Software, Inc.

40 Rector St. New York, NY 10006 (212) 962-4920 Robert M. Russo, Sr., President

#### H & R Block

#### SUBSIDIARIES:

CompuServe Incorporated 5000 Arlington Centre Blvd.

Columbus, OH 43220 (614) 457-8600 Jeffrey M. Wilkins, President Total Sales FYE 4/83: \$33,170,000 Computer Services Offered: • Processing

### DIVISIONS:

CompuServe Network Services

5000 Arlington Centre Blvd PO Box 20212 Columbus, OH 43220 (614)457-8600 Computer Services Offered: • Processing

#### H & W Computer Systems P.O. Box 4173

Boise, ID 83711 (208) 377-0336 Robert White, President

Total Sales FYE 12/82; \$750,000 Computer Services Offered: • Software Products

### HAI

20 Parsippany Rd Whippany, NJ 07981 (201)428-8660

Craig Church, President

Computer Services Offered: 

Software Products

Professional Services 

Turnkey Systems

### HAI Computer Services

2205 Fortune Drive
San Jose, CA 95131
(415) 946-4500
Harold Harfst, Jr., President
Private
Total Sales FYE Z/83: \$3,000,000 Est.
Computer Services Offered: • Processing • Software
Products

## HBO & Company

301 Perimeter Center North Suite 111
Atlanta, GA 30346
(404) 393-660, Marter S. Huff, Jr., Chairman, CEO
Public
Total Sales FYE 3/83: \$55,559,000
Computer Services Offered: • Turnkey Systems

### HDR Systems Inc.

See: Henningson, Durham & Richardson, Inc.

## HK Contractors, Inc.

1000 Milligan Rd. P.O. Box 90 Idaho Falls, ID 83401 (208)523-6600 Computer Services Offered: • Software Products

## HW Systems, Inc.

16134 Hart St Van Nuys, CA 91406 (213) 988-1830 Stanton Wong, President trivate

Total Sales FYE 9/81: \$5,100,000 Est.

Computer Services Offered: • Processing

#### Hadron Inc. 1945 Gallows Road

Vienna, VA 22180 (703) 448-1610 Dominic Laiti, President Public Total Sales FYE 3/83: 530,598,045 Cptr. Sves. Revs. FYE 3/83: \$17,981,000 Computer Services Offered: • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

## Simcon Inc.

7655 Old Springhouse Rd. Westgate Research Park McLean, VA 22102 (703) 734-1202 Donald H. Stromberg, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Hal Systems & Services

14840 Landmark Drive
Dallas, TX 75240
(214)385-2300
James T Langham, President
Private
Total Sales FYE 9/83: \$5,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

## Hale Systems, Inc.

Public \*

### DIVISIONS:

### Remote Computing Corporation 1076 East Meadow Circle

Total Sales Network Chief Palo Alto, CA 94303 (415) 494-6111 Charles G. Calderaro, President Total Sales FYE 3/83: \$8,486,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Hall and McChesney

See: Chicago Title & Trust Company

## Hallahan, G.W. and Co Inc.

1660 Soldiers Field Rd Boston, MA 02135 (617)782-6100 Computer Services Offered: • Software Products

## Halliburton Company

#### SUBSIDIARIES:

Brown and Root 4100 Clinton Dr P O Box 3 Houston, TX 77001 (713)676-3011

### Hancock-Dikewood Services Inc.

See: John Hancock Mutual Insurance

## Handley Ltd.

74 Tempest Drive Chesterfield, MO 63017 (314) 469-3200 Ronald H. Womack, President

#### Haney & Associates 23241 Ventura Blvd, Ste 115

Woodland Hills, CA 91364 (213) 703-8808 Roger A. Haney, President Private Total Sales FYE 12/82: \$1,445,000

Computer Services Offered: • Processing • Professional Services

#### Hanover Information Systems

SUBSIDIARIES:

Alpine Data Systems

8043 S.W. Cirrus Dr Beaverton, OR 97005 (503) 641-8100

Jack Berry, President Total Sales FYE 12/81: \$6,000,000

Hansco Data Processing Inc.

P.O. Box 236 Wilbraham, MA 01095 (413) 732-9613 R. Hanson, President

Hansen, A.S. Inc.

Private

1080 Green Bay Rd. Lake Bluff, IL 60044 (312)234-3400 Larry Fisher, President

Hansen, H.J. Co.

1495 Oakwood Des Plaines, IL 60016

(312)824-6601 Computer Services Offered: • Software Products

Harfax Database Publishing

See: Harper & Row Publishers, Inc.

Harfst Associates, Inc.

Name Changed to: HAI Computer Services

Harper & Row Publishers Inc.

SUBSIDIARIES:

Sensible Software

6619 Perham Dr West Bloomfield, MI 48033 (313)399-8877

Private Computer Services Offered: • Software Products

DIVISIONS:

Harfax Database Publishing

54 Church Street Cambridge, MA 02138 (617) 492-0670 Anne C. Fernald, Director

Computer Services Offered: • Processing • Professional

Harris & Paulson Inc.

P.O. Box 4666 Englewood, CO 80155 (303) 773-8283 Ron Paulson, President

Private Total Sales FYE 12/81; \$1,300,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

Harris Corporation

SUBSIDIARIES:

Electrocon International, Inc.

611 Church Street Ann Arbor, MI 48104 (313) 761-8612 Mark K. Enns, PH.D., President

Private Total Sales FYE 6/82: \$1,500,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

DIVISIONS:

Harris Corporation Computer Systems

Division

1200 Gateway Drive Ft. Lauderdale, FL 33309 (305) 974-1700 Harold N. Morris, Vice President

Harris Corporation Computer Systems

Division See: Harris Corporation

Harris Data Service Inc.

11629 W Dearbourn Ave Milwaukee, W1 53226 (414) 475-1760 Thomas Harris, President

Total Sales FYE 12/81: \$5,000,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

DIVISIONS:

D-NET

11629 West Dearbourn Ave Milwaukee, WI 53226 (414)475-1760 James Sciano, President Computer Services Offered: • Software Products

Harris Information Systems, Inc.

760 Highway 18 J 08816 (201) 257-970ey, President Total Sales Fbt 7/82: \$300,000 Computer Services Offered: • Software Products • Professional Services • Turky Systems

Harris Publishing Company 2057-2 Aurora Rd. Twinsburg, OH 44087 (216) 425-4481 Robert Harris, President Total Sales FYE 7/83; \$500,000 Est. Computer Services Offered: • Processing

Harry & David, Inc.

DIVISIONS:

Rogue Valley Data Processing 2518 S Pacifica Hwy, P.O. Box 1645 Medford, OR 07501 (503) 776-2233 David Schneider, Manager

#### Hart Systems Inc. 200 Stonehinge Lane Carle Place, NY 11514 (516) 334-7171 Harvey Goldsmith, President Private

Total Sales FYE 3/82: \$7,000,000 Est. Computer Services Offered: • Processing

### Harte Hanks Communications, Inc.

#### SUBSIDIARIES:

#### Urban Data Processing 209 Middlesex Turnpike

Burlington, MA 01803 (617) 273-0900 Robert G Coyne, President Private

Total Sales FYE 12/81: \$3,200,000 Computer Services Offered: • Processing • Software

## Hartford Fire Insurance Company

### Hartley Data Service Inc.

1807 Glenview Rd Glenview, 1L 60025 (312) 724-9280 R.K. Koolish, President Private

Haskell, E.F. & Associates 1528 E. Missouri Phoenix, AZ 85012 (602) 277-2534 Ed Haskell, Owner

### Hatter Data Systems

P.O. Box 1362 McAlester, OK 74501 (918) 423-6565

#### Haverly Systems Inc.

78 Broadway PO Box 919 Denville, NJ 07834 (201) 627-1424 Clarence A. Haverley, President

Total Sales FYE 6/82: \$1,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Hawkeve Grafix

23914 Mobile Canoga Park, CA 91307 (213)348-7909 Computer Services Offered: • Software Products

#### Hay Huggins Data Services Inc.

229 S. Eighteenth Philadelphia, PA 19103 (215) 893-0280 William Bender, President Private

## Hayden Publishing Software

See: Hayden Publishing Company Inc.

### Hayden Publishing Company Inc.

10 Mulholland Drive Hasbrouck, NJ 07604 (201) 393-6000 James Mulholland, President

#### SUBSIDIARIES:

### Hayden Publishing Software

600 Suffolk Street Lowell, MA 01853 (617) 937-0200 Oscar Rodriguez, President Total Sales FYE 12/82; \$7,000,000 Est. Computer Services Offered: . Software Products

### Health Information Systems Inc. (HIS)

4522 Fort Hamilton Parkway Brooklyn, NY 11219 (212) 435-6300 George Weinberger, President Public Total Sales FYE 6/82: \$6,295,000 Cptr. Svcs. Revs. FYE 6/82: \$4,562,000 Est. Computer Services Offered: • Turnkey Systems

### Health Systems Institute

500 Airport Blvd., Suite 318 Suite 205 Burlingame, CA 94010 (415) 348-8711 Robert R. Abrams, President Private

#### DIVISIONS:

#### Health Systems Institute of Maine

11 Chapel St. Augusta, ME 04330 (207)622-7153 John L. Campbell, Exec Vice President Private Total Sales FYE 3/81; \$1,531,670 Cptr. Sves. Revs. FYE 3/81: \$950,000 Est. Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Professional Health Research

965 Mission St. Stc. 405 San Francisco, CA 94103 (415) 777-9143 Joseph Hirshman, PH.D., Vice President Private

### Health Systems Institute of Maine See: Health Systems Institute

Heidelberg Eastern Inc.

#### DIVISIONS:

### Profit Control Systems

45 Route 46 Pinebrook, NJ 07058 (201)227-8500 Jim Corcoran, General Manager
Total Sales FYE 12/82: \$7,500,000 Est.
Computer Services Offered: • Turnkey Systems

## Heights Information Technology Service,

# Inc. 17 Broadway, N. Tarrytown, NY 10591 (914)332-0550

Burton Grad, President

Total Sales FYE 12/81: \$8,000,000 Est.

Computer Services Offered: 
Professional Services

### Heineck Associates, Inc.

1 Carriage Court Stony Brook, NY 11790 (516)751-7835

#### Helm Data Processing Inc.

P.O. Box 147 1190 Eighth St. Arcata, CA 95521 (707) 822-0386 Robert R. Helm, President

Total Sales FYE 4/81: \$550,000 Est. Computer Services Offered: • Processing

#### Hemenway Corporation

101 Tremont St. Suite 208 Boston, MA 02108 (617) 426-1931 Jack E. Hemenway, President Total Sales FYE 11/82: \$1,000,000 Est. Computer Services Offered: • Software Products

### Henco Research

See: Hogan Systems, Inc.

Henco, Inc. 35 Walnut St. Wellesley, MA 02181 (617)237-4156 Henry T. Cochran, President

#### Henningson, Durham & Richardson, Inc.

SUBSIDIARIES:

HDR Systems Inc.

8404 Indian Hills Drive Omaha, NE 68114 George Haddix, Ph.D., President

## Henry, Jack & Associates P.O. Box 607

Monett, MD 65708 (417) 235-6652 Chris Jensen, President

Private Total Sales FYE 6/82: \$4,000,000 Est. Computer Services Offered: • Software Products

### Herbrick & Held Printing Company

### DIVISIONS:

## **Datacomp Corporation**

925 Chestnut St. Philadelphia, PA 19107 (215) 627-2400 Joe D'Angelo, President Private Total Sales FYE 7/83: \$25,000,000 Est. Computer Services Offered: • Processing • Software Products

## Herco

7250 Wynnwood Houston, TX 77008 (713)869-9371

### Heritage Computer Corporation

See: Heritage Insurance Corporation

### Heritage Insurance Corporation

SUBSIDIARIES:

#### Heritage Computer Corporation 2300 Kohler Memorial Drive

Sheboygan, WI 53081 (414) 458-9131 Russ Cichy, President Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

### Herring Associates, Inc

440 Grand Ave, Ste 415 Oakland, CA 94610 Computer Services Offered: • Software Products

## Hersey, Harlan S., Inc.

106 Ouaker Dr. West Warwick, R1 02893 (401) 822-0176

#### Heuristic DataSystems, Inc. 1 Woodside Dr, Ste L-101

Richmond, IN 47374 (314) 966-4900 David R. Perks, President Private Total Sales FYE 12/81: \$600,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Hewitt Associates

102 Wilmot Road Deerfield, 1L 60015 (312) 945-8000

### Hewlett-Packard General Systems Division

See: Hewlett-Packard Corporation

### **Hewlett-Packard Corporation**

DIVISIONS:

#### Hewlett-Packard General Systems Division

19447 Pruneridge Ave. Cupertino CA 95014 (408) 257-7000 Edward R. McCracken, Manager

Cptr. Svcs. Revs. FYE 10/82: \$109,085,000 Est.
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

### Information Resources Ltd

7995 East Prentice Ave Building 40 East Englewood, CO 80011 (303)773-1992 Raymond Stover, President Computer Services Offered: • Software Products

#### Hex Data Services Inc.

225 W. 34th Street New York, NY 10001 (212) 947-8765 Josef Rovner, President Private

# High Technology Software Products,Inc 2201 NE 63Rd PO Box 14665

Okalahoma City, OK 73113 (405)478-2105 Computer Services Offered: • Software Products

### Higher Order Software, Inc.

2067 Massachusetts Ave. Cambridge, MA 02140 (617) 661-8900 Margaret Hamilton, President

Computer Services Offered: • Software Products

### Highlanders Systems, Inc

335 S 1000 E Orem, UT 84057 (801) 225-0396 Computer Services Offered: • Software Products

### Higley & Company, Inc. 7547 Mentor Avc., Ste 104 Mentor, OH 44060

(216) 946-5359 Leo A. Higley, President Private Total Sales FYE 12/82: \$950,000 Computer Services Offered: • Software Products •

Professional Services

Hill International

### Construction Management Systems

P.O. Box 90 Haddonfield, NJ 08033 (609) 429-4030 Joseph Raneri, Manager

Hilltop Enterprises, Inc. 2636 Forrest Hill Blvd West Palm Beach, FL 33406 (305) 964-4215 Richard F. Hill, President Private Total Sales FYE 12/82: \$1,000,000 Est. Computer Services Offered: • Turnkey Systems

### Hobbs Associates Inc.

P.O. Box 686 Corona Del Mar, CA 92625 (714) 546-0961 L.O. Hobbs, President Private

### Hochschild, Alan, Inc.

601 Montgomery St., Ste. 1411 San Francisco, CA 94115 (415)434-3517 Alan Hochschild, President Private

### Hogan Systems, Inc.

5080 Spectrum Drive Suite 400E Dallas, TX 75248 (214)386-0020 Richard Streller, President Public Total Sales FYE 3/83: \$17,082,000 Computer Services Offered: • Software Products

### DIVISIONS

### Henco Research

41 East 42nd Street New York, NY 10017 (212) 370-0070 Bruno Henry, Senior Vice President

Computer Services Offered: 

Software Products

## Holguin & Associates

5822 Cromo St. El Paso, TX 79912 (915) 581-1171 Hector Holguin, President Private

Holland Systems
3131 South State Street, Ste.
Ann Arbor, M1 48104
(313)995-9595 Robert H. Holland, President Computer Services Offered: • Software Products

### Hollander Associates P.O. Box 2276

Fullerton, CA 92633 (714) 879-9000 G.L. Hollander, President

#### Holmes & Shaw Inc.

880 Isoman Road P.O. Box 32907 San Antonio, TX 78216 (512) 341-6641 George V. Shaw, President Private Total Sales FYE 6/83: \$3,500,000

Cptr. Svcs. Revs. FYE 6/83: \$1,250,000 Computer Services Offered: . Processing

#### Honeywell Datanetwork

See: Honeywell Inc.

#### Honeywell Inc. Honeywell Plaza

Minneapolis MN 55408 (612) 870-5200 Edson W. Spencer, President Total Sales FYE 12/82: \$5,490,000,000 Cptr. Svcs. Revs. FYE 12/82: \$110,550,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

#### SUBSIDIARIES:

### Honeywell Information Systems

Honeywell Plaza Minneapolis, MN 55408 (612) 870-5200 S.J. Jerritts, President

### DIVISIONS:

### Honeywell Datanetwork

Honeywell Plaza Minneapolis, MN 55408 (612) 870-6000 Leonard J Koch, Jr, Director

#### Honeywell Information Systems See: Honeywell Inc.

### Horizon Software Systems

185 Berry Street Suite 4821 San Francisco, CA 94107 (415) 543-1199 Joe Walsh, President

Computer Services Offered: • Software Products

#### Horrigan Analytics

1460 N. Sandburg Terrace Chicago, IL 60610 (312) 642-8272 Timothy J. Horrigan, President

### Hospital Computer Systems Inc.

8850 Veterans Blvd. Metairie, LA 70003 (504) 469-7391 John L. Henson, President

### Hospital Data Services

1645 Dorchester, Ste B Plano, TX 75075 (214)596-2105 Al Rosen, President Private Total Sales FYE 7/82: \$400,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### Hot Line, Inc.

#### SUBSIDIARIES:

Tele-Equip P.O. Box 1352

Fort Dodge, IA 50501 (800) 247-2244 Robert Qualey, President

Hotel Computers 221 W Lancaster, Ste 1200 Fort Worth, TX 76102 (213)787-7380 Halden Conner, President Private

Hotze, James B. Company 6101 South West Freeway Suite 406 Houston, TX 77057 (713) 664-1172 Total Sales FYE 12/82: \$500,000 Computer Services Offered: • Professional Services

### Houghton Mifflin Company

Boston, MA 02108 (617)725-5000 Public Total Sales FYE 12/81: \$185,000,000 Cptr. Svcs. Revs. FYE 12/81: \$6,150,000 Computer Services Offered: . Processing . Software Products

#### SUBSIDIARIES:

One Beacon Street

#### Market Data Retreival

Ketchum Place Westport, CT 06880 (203) 226-8941

#### TSC

P.O. Box 683 Hanover, NH 03755 (603) 448-3838 Richard T. Bueschel, President

#### Houston Data Center Inc. 2900 Smith

Houston, TX 77006 (713) 522-9807 Joe Kurka, President Private Total Sales FYE 4/83: \$5,000,000

Computer Services Offered: • Processing • Turnkey Systems

### Houston Engineering Research Corporation

7250 Wynnwood Street Houston, TX 77008 (713) 869-9371 Joseph L. Schweppe, President

Total Sales FYE 11/81: \$3,000,000 Est. Computer Services Offered: • Professional Services

#### Houston Information Systems Inc 5151 Mitcheldale Dr

Houston, TX 77092 (713)681-3121 Norman Coe. President Total Sales FYE 10/81: \$4,000,000 Computer Services Offered: • Processing

## Houston Micro-Computer Technologies,

2201 Red Oak LN Richardson, TX 75081 (713) 661-2005 Steve Tune, President

#### Houston Processors Inc 5905 Sovereign Dr,Ste 114 Houston, TX 77036 (713)776-2285 JF Nichols, President

Computer Services Offered: • Processing **Howard Finley Corporation** 6400 Westpark Drive Houston, TX 77057 (713) 785-4549 Howard Finley, President

## Howard Software Services

7722 Hosford Avenue Los Angeles, CA 90045

Private

### Howard Systems International

708 Third Ave. New York, NY 10017 (212) 682-2400 Howard Persky, President

### Huber, J.M. Corporation

Thornall Street Edison, NJ 08817 (201) 549-8600

### Hudson Soft Inc.

2063 Center St Berkeley, CA 94704 (415)845-1416

Computer Services Offered: • Software Products

Human Computing Resources Corp. 10 St. Mary Str., Suite 401 Toronto, ON M4Y1P (416) 922-1937 Ronald Baecker, PH.D., President

### Human Resource Information Center Inc.

1211 West 22nd Street Oak Brook, 1L 60521 (312) 325-8890 Daniel G. Lawrence, President

### Humatix Business Systems Inc.

10810 Paramount Blvd Downey, CA 90242 (213)861-6744 Thomas White, President Total Sales FYE 7/82: \$450,000 Computer Services Offered: • Software Products

### Hunter & Ready Inc.

445 Sherman Ave PO Box 11803 Palo Alto, CA 94306 (415)326-2950 Colin Hunter, President Computer Services Offered: • Software Products

### Hurd Associates

40501 Fremont Blvd. Fremont, CA 94538 (415) 657-2666 Nicholas N. Hurd, President Private

### Hutchinson Associates Ltd.

8983 N. 70th St. Milwaukee, W1 53223 (414) 963-4274

#### Hydra Computer Corporation

622 Downtown Blvd. Raleigh, NC 27619 (919) 782-1051 Fred C. Tarbox, President

### Hvdro-Data Inc.

1650 Alameda, W Tempe, AZ 85282 (602)966-0719

#### Hydrocomp Inc.

201 San Antonio Circle, Ste. 2 Mountain View, CA 94040 (415) 948-3919 Norman Crawford, President Private

#### IBM Information Network

See: International Business Machines

#### ICL, Inc.

See: International Computers Ltd.

### ICM Computer Corporation

P.O. Box 7220 Tulsa, OK 74105

ICS Group

3848 Carson St, Ste 320 Torrance CA 90503 (213) 540-4066

Torrance CA 90503
(213) 540-4066
Computer Services Offered: • Professional Services

### IDC Data Services Inc.

See: 1DC Services Inc.

## IDC Services Inc.

SUBSIDIARIES:

IDC Data Services Inc.

1225 Franklin Avenue Second Floor Garden City, NY 11530 (516) 294-6040 George A. Brenner, Vice President

Private

IDSI

PO Box 7685
Albuquerque, NM 87104
(505)292-0057
Computer Services Offered: • Software Products • Turnkey
Systems

IE Systems Inc

112 Main St PO Box 359 Newmarket, NH 03857 (603)659-5891 Maxwell F Eveleth, President Total Sales FVE 3/82: \$300,000 Est. Computer Services Offered: • Software Products

IFA Computer Services Inc.

11 North Avenue, West
Cranford, NJ 07016
(201) 272-4350
Donald A. Thee, President
Total Sales FYE 12/81: \$1,000,000
Computer Services Offered: • Processing • Turnkey
Systems

III Systems, Inc.
Name changed to: Phase 3

IJG Computer Services 1260 W. Foothill Upland, CA 91786 (714) 982-7829

ILD Marketing

PO Box 4651 Manchester, NH 03108 (603) 880-7200 Kathy Ames, Owner

IMI Systems

1500 Broadway
New York NY 10036
(212) 944-1555
Robert Forman, President
Private
Total Sales FYE 1/83: \$8,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

IMS American Ltd

Maple & Butler Aves. Ambler, PA 19002 (215) 283-8500

IMS Marketronics

19 W. 44th St. New York, NY 10036 (212) 869-8810

Computer Services Offered: • Processing

**IMS Systems Corporation** 

l Penn Plaza New York, NY 10001 (212) 736-5210 Ira B. Brown, President

Cptr. Svcs. Revs. FYE 12/82: \$49,500,000 Est.

Computer Services Offered: • Processing

SUBSIDIARIES:

Brandon Consulting Group, Inc.

1775 Broadway New York, NY 10019 (212) 977-4400 Richard Brandon, President

IPL Inc.

102 Waterman Street Providence, R1 02906 (401) 272-6555

ISI Systems Inc.

See: Grumman Corporation

ICT

2 Complexe Desjardins Montreal, QU H5B I (514) 284-1111

ITS Computing, Inc.

225 B Frito Lay Tower Dallas, TX 75235 (214)358-1486

ITT

SUBSIDIARIES:

Federal Electric Corporation

621 Industrial Ave

Paramus, NJ 07652 (201)967-0123 Paul Gordon, President Total Sales FYE 12/81: \$225,000,000 Cptr. Sves. Revs. FYE 12/81: \$15,000,000 Computer Services Offered: • Professional Services

Hartford Fire Insurance Company

#### SUBSIDIARIES:

Redshaw Inc.

103 Yost Blvd. Pittsburgh, PA 15221 (412)829-2100 Robert Thompson, Jr., President Total Sales FYE 12/82: \$15,500,000 Est. Computer Services Offered: • Software Products • Turnkey

ITT Dialcom, Inc.

1109 Spring Street Suite 410 Silver Spring, MD 20910 (301) 588-1572 Robert F. Ryan, President Total Sales FYE 12/82: \$10,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

ITT Dialcom, Inc.

See: ITT

I-Concepts, Inc 2560 Royal Lane, Ste 28 Dallas, TX 75229 (214)243-0700 Ed Hayden, President

Total Sales FYE 11/82: \$1,000,000 Computer Services Offered: 
Processing Software
Products Professional Services Turnkey Systems

SUBSIDIARIES:

BOS National (MPSI) 2560 Royal Lane Suite 228 Dallas, TX 75229

(214) 484-2717 Ed Hayden, President Computer Services Offered: • Software Products

IBIS Corporation 8150 Leesburg Pike Tyson's Corner, VA 22180

(703)827-0350 Fred T. Multhen, President Private

Iconix

10441 Bandley Dr Cupertino, CA 95014 (408)255-550 David Davison, President Private Total Sales FYE 5/81: \$2,000,000 Est. Computer Services Offered: . Processing . Turnkey Systems

11 California St. Ste. 700 San Francisco, CA 94104 (415)421-2651

Ideal Computer & Electronics Inc. (ICE)
3505 Turtle Creek Blvd.
Dallas, TX 75219

(214)386-0274

Ikier Technology

7 Oak Park Bedford, MA 01730 (617)275-4330 Hans Ikier, President Computer Services Offered: • Turnkey Systems

Illiana Data Processing

P.O. Box 399 Tinley Park, IL 60477 (312) 532-2700 William Siccone, President

Illinois Micro Inc

200 E Evergreen Mount Pleasant, IL 60056 (312)883-0110 David Paul, President Computer Services Offered: • Software Products

Illinois Stock Transfer Inc.

See: Midwest Stock Exchange and DST, Inc.

Imagen Corporation 12769 Dianne Dr Los Altos Hills, CA 94022 (415)949-1580

Impact Services See: Pioneer Data Systems

Improved System Technologies Inc.

888 Seventh Ave. New York, NY 10019 (212) 586-1098 C.P. Gane, President Private

In-Situ Inc.

1 Denver PL,10Th Fl,Tower 1 Denver, CO 80202 (303)293-2004 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Incepts, Inc.

14114 Dallas Pkwy. Dallas, TX 75240 (214) 385-6497 Charles Anglin, President Total Sales FYE 7/81: \$987,000 Computer Services Offered: • Professional Services

INCO Inc.

8260 Greensboro Dr McLean, VA 22102 (804) 442-7960 Warren Polk, President Total Sales FYE 3/84: \$25,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

### Inconographics, Inc.

3022 Graham Court Falls Church, VA 20042

(703)560-0553 Computer Services Offered: • Professional Services

### Indecon Inc.

300 S. Wacker Suite 720 Chicago, IL 60606 (312) 786-0220 Tommy Davis, President

Total Sales FYE 7/82: \$5,000,000 Est.

Computer Services Offered: • Professional Services

### Independent Computer Systems (ICS)

8686 N Central, Ste 126 Phoenix, AZ 85020 (602)944-9693 Robert E Bray, Jr, President Private

Total Sales FYE 1/82: \$1,800,000

Computer Services Offered: • Software Products • Professional Services

### Independent Newspapers Inc.

#### DIVISIONS:

### Del-Data Computer Services

554 Garton Rd.
Dover, DE 19901
(302) 674-4819
Walter E. Trabbold, President
Total Sales FVE 6/81: \$500,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Independent Tax Corporation (ITC)

6400 E. Washington Blvd. Los Angeles, CA 90040 (213)724-6922 Private

Total Sales FYE 4/81: \$2,000,000

Computer Services Offered: • Processing

#### Index Systems Inc.

5 Cambridge Center Cambridge, MA 02142 (617) 492-1500 Thomas Garrity, President

Private
Total Sales FYE 9/82: \$11,513,000
Computer Services Offered: • Professional Services

#### Indian Head, Inc.

SUBSIDIARIES:

#### Information Handling Services

15 Inverness Way, E.
Englewood, CO 80150
(303)779-600
Robert F. Asleson, President
Computer Services Offered: • Processing

#### DIVISIONS

## Bibliographic Retrieval Services Inc.

1200 Route 7 Latham, NY 12110 (518) 783-1161 Junet Egeland, President Computer Services Offered: • Processing

### Indiana Bank and Trust

DIVISIONS:

### Financial Systems Consultants

915 South Clinton
Fort Wayne, IN 46802
(219) 461-7761
Total Sales FYE 12/82: \$1,500,000
Computer Services Offered: • Processing • Software
Products

### Indiana Gas Company, Inc.

1630 North Meridian Street Indianapolis, IN 46202 (317) 926-3351 John F. Kavanaugh, President

### Indiana Information Controls Inc.

See: Urschel Laboratories

### Indiana National Bank

One Indiana Square Indianpolis, IN 46204 (317) 266-6512 Thomas Miller, President

### Industrial Life-Technical Services Inc.

2 Complexe Desjardins East Tower, Suite 1317
Montreal, QU H5B1B
Morris Martel, President

#### Industrial Programming, Inc.

100 Jericho Quandrangle Jericho, NY 11753 (516)938-6600 Bernard Mushinsky, President Private

#### Industry Data Services

Name changed to: Madic Corporation

### Infinity Software Corp

2210 Wilshire Blvd, Ste 801 Santa Monica, CA 90403 (213)820-2702

### Info & Financial Services, Inc.

1 E Penn Square, Suite 2200 Philadelphia, PA 19437 (215) 568-3130 Jerard Aman, President

# Info Systems of North Carolina Inc. P.O. Box 18466

P.O. Box 18466 Charlotte, NC 28218 (704) 535-7180 William J. Gaughan, President

Private

Computer Services Offered: • Software Products • Professional Services

#### Info 3

21250 Califa St. Woodland Hills, CA 91367 (213) 999-5753 Larry Vermillion, President

### Info-Data Services, Inc.

RIO DATA SERVICES, INC. 817 Wyandoite Kansas City, MO 64105 (916) 842-2611 Ronald G. Osborn, President Private

### Info-dyne Inc.

7417 Bush Lake Rd Minneapolis, MN 55435 (612) 861-3316

### Info-Serve, Inc.

9 Third Street North Great Falls, MT 59401 (406) 761-8954 Richard Hensley, President Private

## Infodata Systems Inc.

30A State Street
Pitsford, NY 14530
(716) 381-7430
Ronald A. Furman, President
Public
Total Sales FYE 12/81: 56,497,488
Computer Services Offered: • Software Products

#### Infographics Inc See: Business Color Graphies Inc

## Infolink Corporation

1925 Holstee Road Northbrook, IL 60062 (312) 291-2900

#### Infomark, Inc. 9 N. Bacton Hill Rd.

Frazer, PA 19355
(215) 647-8685
Bill Browne, President
Private
Total Sales FYE 11/81: \$5,000,000
Computer Services Offered: • Turnkey Systems

### Infomart

See: Torstar Corp./Southam Inc.

#### Infomed

260 U.S. Route One Monmouth Junction, NJ 08852 (201) 329-4527 Frederick Neufeld, President Private

### Infopac Associates, Inc.

324 Rose St Freeport, NY 11520 (516) 378-3435

### InfoPro Services Inc.

1487 Shermer Road Northbrook, IL 60062 (312) 541-4660

Infor-Data Inc 3305 Spring Mountain Rd. Suite 68 Las Vegas, NV 89102 (702)873-9796

#### Informata Landex Systems

23241 Ventura Blvd
Woodland Hills, CA 91364
(213)346-9203
Donald Henley, President
Private
Total Sales FVE 3/81: \$700,000 Est.
Computer Services Offered: • Turnkey Systems

#### Informatics General Corp 21031 Ventura Blvd.

Woodland Hills, CA 91364
(213) 887-9040
Walter F, Bauer, PH.D., Chairman, CEO
Public
Total Sales FYE 12/82: \$170,167,000
Computer Services Offered: • Processing • Software
Products • Processional Services • Turnkey Systems

#### SUBSIDIARIES:

### Automated Systems Design Corporation 225 West 34th St

New York, NY 10001 (212) 239-0840 Computer Services Offered: • Professional Services • Turnkey Systems

#### Management Control Systems Inc

2400 Lake Park Dr Atlanta, CA 30339 (404) 432-1996 Computer Services Offered: • Software Products • Turnkcy Systems

#### DIVISIONS:

## Distribution & Retail Systems Division

Beachwood, OH 44122 (216) 464-4482 Computer Services Offered: • Software Products

#### Informatie en Communicatie Unie of The Netherlands

#### SUBSIDIARIES:

Aspen Systems Corporation 1600 Research Blvd Rockville, MD 20850 (301) 251-5000

Herbert R. Brinberg, Ph.D., President

# Information & Communications, Inc. 99 East San Jose Avenue

Burbank, CA 91502 (213) 846-5600 Private

# Information & Financial Services 1 East Penn Sq, Ste 2200

Philadelphia, PA 19107 (215) 568-3130 Jerry Aman, President

### Information & Publishing Systems, Inc.

4720 Montgomery Ln. Bethesda, MD 20814 (301) 652-5424 Merle Garvis, President Private

### Information Access Corp.

See: Ziff-Davis Publishing Company

## Information Access Systems, Inc.

P.O. Box 835 Sparta, NJ 07871 (201) 625-9220 William Brady, President

## Information and Systems Research, Inc.

410 Rouser Rd. Airport Office Park Bldg. 1 Coraopolis, PA 15108 (412) 373-0500 Ron Morris, President

#### Information Associates, Inc.

97 Humboldt Street Rochester, NY 14609 (716) 288-6900 John G. Robinson, Chairman Private

#### Information Automation, Inc.

925 Westchester Avenue White Plains, NY 10604 (914) 948-4300 Robert Kissner, President

### Information Builders, Inc.

1250 Broadway New York, NY 10001 (212) 736-4433 Gerald D. Cohen, President Total Sales FYE 12/82: \$19,200,000 Computer Services Offered: • Software Products

### Information Catalysts, Inc.

521 Fifth Ave. New York, NY 10017 (212) 952-8856 William Bell, President

### Information Concepts, Inc.

1750 One Dallas Centre Dallas, TX 75201 (214)324-2128

### Information Consultants Inc.

1012 20th Street N.W Washington, DC 20036 (202) 785-0115 Merle Garvis, President

### Information Control Inc.

See: Dataco, Inc.

## Information Control Systems Corporation

1233 W. Mount Royal Avenue Baltimore, MD 21217 (301) 752-1934 Garland O. Williamson, President

### Information Displays, Inc.

28 Kaysal Court Armonk, NY 10504 (914) 592-2025

### Information Dynamics Inc.

3637 No. Meridian Street Suite 300 Indianapolis, IN 46208 (317) 925-0044 George Dougherty, President Private

## Information Engineering

8 Bay Road, Box 305 Newmarket, NH 03857 (603) 659-5891

#### Information Equities Inc.

4140 Redwood Highway, Suite 3 San Rafael, CA 94903 (415)472-2072 Daniel Haagens, President Private

### Information Handling Services

See: Indian Head, Inc.

#### Information Industries, Inc.

Ten Main Center Kansas City, MO 64105 (816) 421-6969 Maurice Gosnay, President Private

### Information Management International

See: SG2

### Information Management Technologies

180 N. Michigan Ave. Chicago, IL 60601 (312) 372-4222 Bob McKeam, Director Private

Total Sales FYE 4/81: \$7,000,000 Est.

Computer Services Offered: • Professional Services

### Information Management Consultants Inc.

1008 N. Randolph St. Arlington, VA 22201 (703)522-5572

### Information Management Software

Specialists, Inc.
Racine, WI 53401
(414) 632-1571
R. T. Bridgette, President

Private

Computer Service's Offered: 

Software Products

### Information Organization Corporation, The

2295 Vallejo Street San Francisco, CA 94123 (415) 921-3798 Diane Daniels, President

### Information People Inc, The

443 Hudson Ave
Newark, OH 43055
(614)349-8644
Charles M. Kolb, Managing Partner
Private
Total Sales FYE 12/81: \$250,000
Computer Services Offered: 

Software Products 

Professional Services 

Turkey Systems

### Information Plus, Inc

6001 Savoy, Ste 603 Houston, TX 77036 (713)977-3515 George Dehan, President

George Dehan, President
Computer Services Offered: 

Software Products

#### Information Processing Corporation 1720 1st International Building

Dallas TX 75270 (214) 744-5638 S.G. Callier, President

Private
Total Sales FYE 12/81: \$5,400,000
Computer Services Offered: • Processing • Software
Products

## Information Processing Directions, Inc.

666 Dundee Rd. Suite 203 Northbrook, 1L 60062 (312) 291-0800 Maurice Hoffman, President

## Information Processing Techniques Corp.

1070 East Meadow Circle Palo Alto, CA 94303 (415)494-3211 Steve Carr, PH.D., President Private

### Information Processing Inc.

1850 Lee Road, Suite 320
Dallas, FL 32789
(305) 647-2200
T. Donald Tyra, Jr., President
Private
Total Sales FYE 12/81: \$1,100,000
Computer Services Offered: • Software Products

### Information Research Associates

911 W 29th Austin, TX 78705 (512) 474-4526 J.C. Browne, Chairman Private Total Sales FYE 8/82: \$480,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Information Resources Inc. 520 North Dearborn Street Suite 120 Chicago, 1L 60610

(312) 467-7175 John Malec, Chairman, CEO Public Total Sales FYE 12/82: \$12,260,000 Computer Services Offered: • Processing

Information Resources Ltd
See: Hewlett-Packard Corporation

## Information Science, Inc.

Montvale, NJ 07645
(201) 391-1600
Leo Korrifeld, President
Public
Total Sales FYE 4/83: \$20,495,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

# Program Products, Inc.

Montvale, NJ 07645 (201) 391-9800 Sherman A. Drusan, President

Information Sciences, Inc.
Name changed to: Fleet Information, Inc.

### Information Systems Development 301 E Armour Blvd

Kansas City, MO 64111 (816)561-7770 C.E. Frasier, President

Information Systems Design, Inc. See: Control Data Corporation

### Information Systems Inc.

34 Ronzo Road Bristol, CT 06010 (203) 589-8123 John McCormick, President

Private

Computer Services Offered: 

Processing

## **CAMP 1983**

## Directory of Computer Services Companies

### Information Systems Inc.

174 Armistice Blvd. Pawtucket, R1 02860 (401) 728-0400 Robert Halkyard, President

Private Total Sales FYE 3/81: \$2,000,000 Est. Computer Services Offered: • Processing

### Information Systems of America, Inc.

(ISA) See: United Telecommunications, Inc.

Information Unlimited Software Inc. (IUS) See: Computer Associates International, Inc.

Inforonics Inc. 550 Newton Road Littleton, MA 01460 (617) 486-8976

Inforware Systems, Inc (ISI)
7330-H South Alton Way Englewood, CO 80112 (303)740-6071 Ronald Winkler, President

Total Sales FYE 12/81: \$500,000 Est.

Computer Services Offered: . Turnkey Systems

Infoservices, Inc

1728 Montreal Circle, Ste 22 Tucker, GA 30084 (404)938-9960 Michael A Sauter, President

Total Sales FYE 12/81: \$2,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Infosoft Systems, Inc.

25 Sylvan Road South Westport, CT 06880 (203) 226-8937 Kenneth Short, President Private

Infotec Development Inc.

5402 Bolsa Ave Huntington Beach, CA 92649 (714) 891-5851 Fernando Niebla, President

Private Private
Total Sales FYE 10/82: \$4,100,000
Cptr. Svcs. Revs. FYE 10/82: \$2,750,000
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Infotecs

See: Computone Systems Inc.

Innosys, Inc. 2150 Shattuck Ave Berkeley, CA 94704 (415) 843-8114 Earl Crabb, President Private

Total Sales FYE 6/82: \$580,000

Computer Services Offered: • Software Products •

Professional Services

Innova Systems Inc.

115 East 9th St. New York, NY 10003 (212) 254-8405 Donald C. Holmes, President

Innovation Data Processing, Inc.

970 Clifton Avenue Clifton, NJ 07013 (201) 777-1940

Private Total Sales FYE 5/81: \$7,000,000 Est. Computer Services Offered: • Software Products

Innovative Software, Inc.

9300 West 110th St Suite 380 Overland Park, KS 66212 (913) 383-1089 Michael J. Brown, President Public Total Sales FYE 6/83: \$1,685,000 Cptr. Svcs. Revs. FYE 6/83: \$1,623,000 Computer Services Offered: • Software Products

Innovative Systems, Inc.

341 Fourth Avenue Pittsburgh, PA 15222 (412) 391-2364 Private

Input Output Computer Services 400 Totten Pond Rd.

Waltham, MA 02154 (617) 890-2299 Thomas Farrington, President Private Total Sales FYE 6/82: \$12,500,000 Est. Computer Services Offered: • Professional Services

Input Services, Inc. See: Dataco, Inc.

Input Systems Inc. 16308 Orange Avenue

Paramount, CA 90723 (213) 634-1170 Harley D. Hancock, President

Insight Software Systems See: Insight Software Systems, Ltd.

Insight Software Systems, Ltd.

SUBSIDIARIES:

Insight Software Systems

8600 West Bryn Mawr, Ste 200 N Chicago, IL 60631 (312) 693-6300 Matt Krotty, President Total Sales FYE 12/82: \$5,000,000 Computer Services Offered: • Software Products

Inslaw, Inc 1125 15TH St. N.W., Ste. 600 Washington, DC 20000 (202) 828-86million, President William A. Hamillion, President Troul Sales, FYE 9/83: 57,800,000 Cptr. Sves. Revs. FYE 9/83: 57,200,000 Computer Services Offered: • Processing • Software

Insoft See: O'Tech Group Inc

Products

Instacom, Inc.
Acquired/merged with: Comdata Network, Inc.

Instant Software, Inc
Elm St
Peterborough, NH 03458
(603) 924-9471
Wayne Green, President
Computer Services Offered: 
Software Products

Institute for Software Engineering (ISE)

Institute of Modern Procedures
1025 Vermont Ave, N.W.
Washington, DC 20005
(202)393-6210
Computer Services Offered: • Processing • Professional

Insurance Data Processing Inc. See: Marsh & McLennan

Insurance Data Systems P.O. Box 90306 Suite 705 Pasadena, CA 91109 (213) 681-6746 Paul Tritt, President Private

Insurance Information, Inc 2300 Peachford Dr. Ste 1266 Atlanta, GA 30338 (4004)457.8744 Mac Purdy, President Private Total Sales FYE 7/81: \$1,200,000 Computer Services Offered: • Turnkey Systems

Insurance Logistics Automated Systems 321 Third Street, S.E. Cedar Rapids, IA 52407 (319) 365-8691

Insurance Processing Services Inc.
Name changed to: NUCO Systems, Inc.

Insurance Servicing & Information Systems Corp.

451 Hungerford Dr. Ste 301 Rockville, MD 20850 (301) 251-9767 George A. Mann, President Freuzer Freducts \* Professional Services \* Turnkey Systems Insurance Systems Inc.

Irvine, CA 92715 (714) 752-0875 Loren Parsons, President Private

Insurnet, Inc See: Quotron Systems Inc. & Continental Corporation

Intech, Inc.
810 First St., S Suite 316
Hopkins, MN 55343
(612)933-3660
Lloyd E. Jensen, President
Private

Integon Computer Corporation See: Integon Corporation

Integon Corporation

SUBSIDIARIES:

Integon Computer Corporation 500 West 5th St.

Winston-Salem, NC 27102 (919) 725-7261 J. Bill King, President

Integral Business Computing, Inc. 28834 Narbonne Avenue Lomita, CA 90717 (213) 539-0530 Thomas K. Moch, President Private

Private
Total Sales FYE 6/81: \$4,500,000
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Integral Software Services 1104 Montgomery St. San Francisco, CA 94133 (415) 788-1354 Paul T. Mauriello, President

Integral Systems, Inc. ISI

Walnut Creek, CA 94598 (415)939-3900 David A Duffield, President Private Total Sales FYE 12/82: \$7,000,000 Computer Services Offered: • Software Products • Professional Services

Integrated Automation Inc.
1745 Tulie Cricle, NE
Allania, GA 30329
(404)322-SI, 100
Hucy P. Duncan, President
Proas Stars, FVE 12/81: S1,500,000 Est.
Computer Services Offered: • Professional Services •
Turnkey System.

### Integrated Business Systems, Inc.

20575 Center Ridge Rd Suite 127 Rocky River, OH 44116 (216)356-0500 Daniel Langenwalter, President

## Integrated Business Methods Inc. (IBMI)

2133 Wisconsin Avenue N.W. Washington, DC 20007 (202) 965-5015 G.M. DuFour, President Private

## Integrated Computer Services Inc.

1 Park Avenue New York, NY 10016 (212) 889-3386 Robert Sherman, President Private

### Integrated Computer Software Inc

1 Park Ave New York, NY 10016 (212)889-3386

## Integrated Office Concepts Inc.

333 Broadway Denver, C0 80203 (303) 777-6831 Dan Stein, President

Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

### Integrated Planning

93 Massachusetts, Stc 212 Boston, MA 02115 Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products

### Integrated Software Systems Corporation (ISSCO)

10505 Sorrento Valley Road San Diego, CA 92121 (619) 452-0170 Peter Preuss, President Total Sales FYE 12/82: \$16,623,073

Integrated Systems Group Inc. 920 East Broadway Glendale, CA 91205 (213) 796-1040 William Hauptli, President Private Total Sales FYE 10/82: \$7,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Computer Services Offered: • Software Products

## Integrated Systems Management 2515 Camino Del Rio, South Suite 344

San Diego, CA 92108 (619) 299-5581 Thomas Bilby, President Private Total Sales FYE 6/82: \$400,000

Computer Services Offered: • Processing • Software

Products • Professional Services Integrated Technologies, Inc. 354 W. Lancaster Ave. Suite 214

Haverford, PA 19041 (215) 649-7310 Michael D. Zisman, President Private

### Intel Corporation

SUBSIDIARIES:

Intel Systems Corporation 12675 Research Blvd P.O. Box 9968 Austin, TX 78766 (512) 258-5171 Kent Ochel, President Total Sales FYE 12/82: \$21,000,000 Est.

Computer Services Offered: • Software Products •

### Professional Services Intel Systems Corporation See: Intel Corporation

### Intellectron International, Inc.

6711 Valjean Ave. Van Nuvs CA 91406 (213) 988-5670 William C. Clover, President Public Total Sales FYE 12/82: \$3,200,000 Computer Services Offered: • Processing

Intellidata, Inc. 1014 Morse Ave, Ste 15 Sunnyvale, CA 94086 (408) 732-4433

Ronald J. Carpenter, President Private

### Intelligence Interlink Corporation

220 East 42nd St New York, NY 10017 (212) 599-3444 W. Robert Widener, President Computer Services Offered: • Professional Services • Turnkey Systems

### Intelligent Computer Systems Inc.

DIVISIONS:

Advcom

540 Madison Ave. New York, NY 10022 (212) 752-5600 Jeff Toffler, President
Total Sales FYE 12/82: \$500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### Intelligent Industrial Systems Inc

I Harmon Plaza Secaucus, NJ 07094 (201)865-6550

Computer Services Offered: • Professional Services

### Intelligent Systems Corporation

P.O. Box 348 Bedford, MA 01730 (617) 275-6642 Allan Clyde, President

Private

### Intellimac Inc

6001 Montrose Rd, 6th Fl Rockville, MD 20852 (301)984-8000

Computer Services Offered: • Software Products

### Inter Systems, Inc.

7630 Little River TRPK Annandale, VA 22003 (703) 241-0100

C. Lindsay Wang, PH.D., President Private

#### Inter-Care

Private

2044 Armacost Ave Los Angeles, CA 90025 (213)826-4500 Irwin Manster, President

Private Total Sales FYE 7/82: \$2,400,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Intera Environmental Consultants, Ltd.

400, 7015 MacLeod Trail, SW Calgary, AB T2H1X (403) 264-5112

### Interactive Applications, Inc.

2316 Walsh Ave Suite 103 Santa Clara, CA 95051 (408)727-8161 David E. Nelson, President Private

Total Sales FYE 12/81; \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

#### Interactive Computer Enterprises See: C & T Management

#### Interactive Computer Modelling Inc. Lakeside Plaza, Ste B 2250 Murrel Rd

Lynchburg, VA 24503 (804)846-3824 Lawrence L. Barinka, President Computer Services Offered: • Software Products

## Interactive Data Services, Inc.

See: Chase Manhattan Bank, N.A.

### Interactive Elements Inc.

76 Beaver St New York, NY 10005 (212) 425-6220 Ely Gilbert, President

#### Interactive Inc.

9787 Aero Dr., Suite A Suite 404 San Diego, CA 92123 (714) 560-8525 Robert C. Vernon, President Private

### Interactive Information Systems, Inc.

10 Knollcrest Drive P.O. Box 37403 Cincinnati, OH 45237 (513) 761-0132 Kim A. Sheridan, President Private Total Sales FYE 4/82: \$5,000,000 Est. Computer Services Offered: • Software Products

#### Interactive Information System Inc. See: NSA, Inc.

#### Interactive Logic Inc. 645 Madison Ave

New York, NY 10022 (212)752-4810 Computer Services Offered: • Software Products

### Interactive Management Systems, Inc.

(IMS) See: CADO Systems

19 W. 44th Street

Services

### Interactive Management Systems Corp.

3700 Galley Road Colorado Springs, CO 80909 (303) 574-5050 William C. Veneris, President

#### Interactive Market Systems, Inc.

New York, NY 10036 (212) 869-8810 Richard Makely, President Total Sales FYE 12/81: \$5,000,000 Est. Computer Services Offered: • Processing • Professional

### Interactive Minicomputer Systems, Inc.

303 Wyman St. Waltham, MA 02154 (617)890-2098

### Interactive Software Inc.

717 North Harwood Dallas, TX 75201 (214)651-9435 John Castleman, President Private Total Sales FYE 12/81: \$1,000,000 Est. Computer Services Offered: • Software Products

#### Interactive Software Systems Inc.

PO Box 3314 Englewood, CO 80155 (303) 294-0932 Randolph J. Recce, President

Private Total Sales FYE 12/82: \$400,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Interactive System Corporation

5500 Sycamore Street Littleton, CO 80120 (303) 797-2400 Dean Lucas, President

Public Total Sales FYE 12/82: \$800,000 Computer Services Offered: • Software Products • Turnkey

Systems

### INTERACTIVE Systems Corporation

1212 Seventh St Santa Monica, CA 90401 (213)450-8363 Tom Cull, President

Private Total Sales FYE 5/82: \$10,300,000 Cptr. Svcs. Revs. FYE 5/82: \$6,500,000 Computer Services Offered: • Software Products

Interactive Technology Inc. 1225 N.W. Murray Rd. Suite 103 Portland, OR 97229 (503) 644-0111 Peter H. Mackic, President Private

### Intercomp

Merged with: Scientific Software Corporation

#### Intercontinental Computing, Inc. See: Citicorn

### Interdata

See: Perkin-Elmer Corporation

### Interfinancial Data Systems

3290 Northside Parkway Atlanta, GA 30327 (404) 261-9026 George C. McKinney, Director Private

### Intergraph Corporation

One Madison Industrial Park PO Box 5183 Huntsville, AL 35807 (205)772-2000 James W. Meadlock, President

Public Total Sales FYE 12/82: \$155,642,000 Cptr. Svcs. Revs. FYE 12/82: \$146,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

### Intermark Systems, Inc.

6060 N. Central Expressway Suite 262 Dallas, TX 75206 (214) 750-8355 Ronald Fouder, President Private

#### Intermetrics, Inc.

733 Concord Ave. Cambridge, MA 02138 (617) 661-1840 John Miller, President

Public Total Sales FYE 2/83: \$31,130,041 Computer Services Offered: • Professional Services • Turnkey Systems

#### Intermountain Health Care, Inc

36 S State St, Salt Lake City, UT 84111 (801) 533-8202 Computer Services Offered: • Turnkey Systems

### International Business Computing

Corporation 601 West Oakland Park Blvd. Fort Lauderdale, FL 33311 (305) 563-5941 J.M. Carlson, President

### International Business Machines

Armonk, NY 10504 (914) 765-1900 Frank T. Cary, Chairman & CEO Public Total Sales FYE 12/82: \$34,364,000,000 Cptr. Svcs. Revs. FYE 12/82: \$2,510,000,000 Est. Computer Services Offered: • Processing • Software

DIVISIONS:

Private

# Products . Professional Services IBM Information Network

51 Weaver St. Greenwich, CT 06830 (203) 629-2023 James M. Hewitt, General Manager Total Sales FYE 12/82: \$27,500,000 Est. Computer Services Offered: • Processing

#### International Business Services Inc.

1090 Vermont Ave. N.W. Washington, DC 20005 (202) 789-5200 Marion O. Greene, President Private Total Sales FYE 9/82: \$12,000,000

Cptr. Svcs. Revs. FYE 9/82: \$10,000,000

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### International Computaprint Corporation See: Reed Holdings

#### International Computer Sciences, Inc.

46 Park Rd. Tinton Falls, NJ 07724 (201) 531-9200 W.W. Smith, President

#### International Computer Technology (ICT) Corporation

7 Hill St Mill Valley, CA 94941 (415) 788-5277 Howard Bromberg, President

### International Computer Resources

411 West Putnam Ave. Greenwich, CT 06830 (203) 622-1211 Roger Rhee, President Private

#### International Computer Systems

215 E. Waterloo Rd.
Akron, OH 44319
(216) 773-9127
Arthur Williams, President
Private
Total Sales FYE 7/82: \$830,000
Computer Services Offered: • Processing • Turnkey
Systems

### International Computers Ltd.

SUBSIDIARIES:

### ICL, Inc.

One Turnpike Plaza 197 Highway 18 East Brunswick, NJ 08816 (201) 246-3400 R.A. Bright, President

#### International Computing Systems, Inc. 1850 N Greenville, Stc 100

Dallas, TX 75081 (214)699-1384

### International Computing System

PO Box 343 Hopkins, MN 55343 (612)933-3933 Richard A Olsen, President Computer Services Offered: • Processing

#### International Data Services, Inc.

1020 Stewart Drive Sunnyvale, CA 94086 (408) 738-3368

#### International Data Systems

4141 N. Miami Avenue Miami, FL 33127 (305) 576-1950 Donald Gache, President trivate

## International Environment Research, Inc.

1916 Old Middlefield Wy. Mountain View, CA 94043 (415)968-2685 Ed Blue, President Private

### International Graphics

See: Moore Business Forms

#### International Management Systems Corporation

4676 Admiralty Way Marina Del Rey, CA 90291 (213) 822-2022 Jerry Plier, President Private

### International Market Resources Services

38 Garden Rd. Wellesley, MA 02181 (617) 235-8830 Michael W. Rohrbach, President Private

### International Mathematical & Statistical Libraries, Inc.

7500 Bellaire Blvd. Sixth Floor Houston, TX 77036 (713) 772-1927 Walton C. Gregory, PH.D., President Private

#### International Medical Statistics

SUBSIDIARIES:

### Pharmacon

2301 Avenue J Arlington, TX 76011 (817) 469-2411 John F. Watters, President Total Sales FYE 12/82: \$14,927,000 Computer Services Offered: • Processing • Turnkey Systems

## International Micro Systems Inc.

Shawnee Mission, KS 66202 (913) 677-1137 William N. Watson, President Private Total Sales FYE 8/81: \$600,000 Computer Services Offered: • Software Products • Turnkey

Systems Offered: • Software Products • Turi

### International Programming Labs

102 Waterman St Providence, RI 02906 (401) 272-6555 Computer Services Offered: • Software Products

### International Systems, Inc.

Merged with Atlantic Management Systems to form: AGS Management, Inc.

### International Telecontrol Corporation

P.O. Box 95 Edgemont, PA 19028 (215) 353-3232 William Fary, President Private

# International Telephone and Telegraph

Interpac Software International

#### SUBSIDIARIES

Interpac Software, Inc. 1830 Lincoln Blvd, Ste 101 Suite 110 Santa Monica, CA 90404

(213)450-7221 Rolf Kessel, President Private

Interpac Software, Inc.

See: Interpac Software International

Interpretive Data Systems See: Interpretive Data Systems Inc.

Interpretive Data Systems

1500 Shellburne Road P.O. Box 1070 So Burlington, VT 05402 (802)862-1022

Richard E Tarrant, President Private Total Sales FYE 6/82: \$6,500,000 Est.

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

SUBSIDIARIES:

Interpretive Data Systems
882 Commonwealth Avenue

Boston, MA 02215 (617) 566-6800

Computer Services Offered: • Processing • Professional

Interprocess Systems, Inc. 6065 NE Roswell Rd, Ste 608

Atlanta, GA 30328 (404)257-1110

Interscience Inc.

SUBSIDIARIES:

Datalogics Inc.

11001 Cedar Avenue Cleveland, OH 44106 (216) 229-1300 Benson P. Lee, President

Interstar Corporation

14722 Oxnard St Van Nuys, CA 91401 (714) 645-7975

Interstate Business Services See: Lumberman's Mutual Insurance

Interstate Computing & Software

Corporation 1574 Old York Road Beaver Hill N. Building Abington, 'PA 19001 (215) 657-7309

John Christiansen, President Private

Total Sales FYE 12/82; \$450,000 Est. Computer Services Offered: 

Processing 

Software Products 

Professional Services Interstate Computing Inc.

3225 Danny Parkway New Orleans, LA 70002 (504) 455-7711 Daniel A. Ellis, President Public

Intersystems Software Inc.

42 Manors Dr. Jericho, NY 11753 (201) 871-4085 J. Moskowitz, President

Private

INTERTEC

2625 Park Boulevard

Palo Alto, CA 94306 (415) 326-8900 Frank Grice, President Private

Intertel Inc

6 Shattuck Rd Andover, MA 01810 (617)618-0600

Computer Services Offered: • Software Products • Turnkey Systems

Intimate Services

P.O. Box 430 Chapel Hill, NC 27514 (919) 929-0413 W.H. Kuralt, President Private

Introdata

990 Bay Street Mountain View, CA 94040 (415)969-2845

Investment Computer Services Inc

1129 Francis Pl St Louis, MO 63117 (314)721-0635 Computer Services Offered: • Processing • Software Products

ISIS Systems, Inc.

50 Church St. Cambridge, MA 02138 (617) 354-6900 Arnold Amstutz, President Private

ISSCO

See: Integrated Software Systems Corporation

Ithaca Intersystems Inc.

1650 Hanshaw Road Ithaca, NY 14850 (607) 257-0190

### J.M.S. and Associates

22180 West Nine Mile Road Southfield, MI 48075 (313) 353-4860 Joseph M. Salvia, President Private

### JBS Associates, Inc.

1 Cupsaw Plaza Ringwood, NJ 07456 (201) 962-9000 Robert B. Wener, President Total Sales FYE 12/82; \$4,500,000 Est. Computer Services Offered: • Processing

### JCI Data Processing Inc.

Suburban Station Building 1617 JFK Blvd. #1620 Philadelphia, PA 19103 (215) 972-7650 Victor L. Johnson, President Private

### JEM Associates

459 Carlisle Dr. Herndon, VA 22070 (703)471-9550 Computer Services Offered: • Software Products

#### JES, Inc.

San Antonio, TX 78216 (512) 690-1458 Joseph Smith, President Private

431 Isum, Ste 206

### JHL Services

1216 Twin Springs Dr Brentwood, TN 37027 (615)794-8847 Jim Holloman, President

### JL Consulting Services, Inc

8700 Indian Creek Pkwy Overland Park, KS 66210 (913)648-8210 Computer Services Offered: • Software Products

#### JMI Software Consultants Inc.

See: Joffe Marketing International (JMI)

#### JMP Associates

311 Maple Ave. W Suite G Vienna, VA 22180 (703) 281-7020

#### JRB Associates, Inc.

See: Science Applications International Corporation

#### JSK Consultants

147-46 Village Rd. New York, NY 11435 (212) 380-2887

#### Jackson Seismic Processing Inc

134 East Amite St Jackson, MS 39201 (601)354-1371 Earl E Chumley, Jr, President Computer Services Offered: • Processing

#### Jacobsen & Associates 10229 Lower Azusa Rd.

Temple City, CA 91780 (213) 575-7504 Kenneth R. Jacobsen, President Private Total Sales FYE 10/81: \$2,500,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

## Jacoby & Co., Inc. Gwynedd Plaza Bethlehem Pike Springhouse, PA 19477 (215) 638-8880

James, Fred S. and Company See: Transamerica Corp.

Jason Data Services 24871 Pylos Way Mission Viejo, CA 92691 (714) 770-7789 Jay Hanson, President Private

### Jayanel Computer Services

1054 Clifton Avenue Clifton, NJ 07015 (201) 474-2545 Leonard Zawalski, President Private

## Jefferson Financial Systems, Inc.

5245 W. Lawrence Avenue Chicago, IL 60630 (312) 777-8600

Jini Micro-Systems, Inc PO Box 274 Kingsbridge Stn Riverdale, NY 10463 (212) 796-6200 Computer Services Offered: • Software Products

### Jobnet, Inc

10 DeAngelo Dr Bedford, MA 01730 (617) 275-3010 Private Computer Services Offered: • Processing

#### Joffe Marketing International (JMI)

SUBSIDIARIES

#### JMI Software Consultants Inc.

1422 Easton Rd Roslyn, PA 19001 (215) 657-5660 John E. Brennan, President Private Computer Services Offered: • Software Products

### John Hancock Mutual Insurance

SUBSIDIARIES:

### Hancock-Dikewood Services Inc.

1009 Bradbury Drive Southeast Albuquerque, NM 87106 (505) 243-9781 Walter D. Wood, PH.D., President

## Johnson Computing Inc.

See: Provident National Bank

### Johnson Systems Inc. 8300 Greensboro Dr

McLean, VA 22102 (703) 821-1700 Stephen J. Johnson, President Private Total Sales FYE 12/82: \$7,500,000 Est.

## Computer Services Offered: . Software Products Johnston Brown & Associates Inc (JBA,

1465 Enea Circle, Building E Concord, CA 94520 (415) 827-4440

Computer Services Offered: . Software Products

#### Jones/Hosplex Systems, Inc 2 Park Ave

New York, NY 10016 (212)725-5818 Thomas O Jones, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### K & H Computer Systems, Inc.

P.O. Box 4 92 Woodport Road Sparta, NJ 07871 (201) 729-6142 Sam Phelan, President Private

#### K & R Custom Software Inc 97 Main St,Ste 101

Newport News, VA 23601 (804)595-5400 Thomas H Rees, President Computer Services Offered: • Software Products

#### K & S Data Services, Inc. 3535 S. Broadway

Los Angeles, CA 90007 (213)232-0455 William E Kayan, President

Private Computer Services Offered: • Processing

Name Changed to: Media Services Inc./3M

### KDB Systems, Inc.

6303 S Rural Rd Tempe, AZ 85283 (602)838-3030 Kendall Johnson, President

## KDK Enterprises, Inc

1491 Chain Bridge Rd, Ste 302 McLean, VA 22101 (804) 893-7883 Computer Services Offered: • Software Products

### KGA Engineering Inc 655 W Irving Park Rd

Chicago, IL 60611 (312) 477-8181 Computer Services Offered: • Software Products

#### KMS Industries

SUBSIDIARIES

### Walden Management Services

3941 Research Park Dr. Ann Arbor, MI 48106 (313) 769-1100 R.A. Olsen, President

K.H. Little, Inc. 2 Linden St., Ste. 101 Reading, MA 01867 (617) 944-2669 Kenneth H. Little, President

Computer Services Offered: • Professional Services

#### K-Squared Systems See: Gelco Corporation

# Kaiser, M.A. & Associates 15 Spinning Wheel Hinsdale, IL 60521

(312)789-3390 Michael Kaiser, President

#### Kalb Voorhis

DIVISIONS:

#### **Ouestrion Research**

SUBSIDIARIES:

### Brokerage Software Systems, Inc.

c/o Mansfield Stock Chart Sves 26 Journal Square Jersey City, NJ 07306 (201) 795-0629 Edward Bowman, President Computer Services Offered: • Processing • Software Products • Professional Services

#### Kaman Corporation

#### SUBSIDIARIES:

Kaman Sciences Corporation 1500 Garden of the Gods Colorado Springs, CO 80907 (303) 599-1500 Albert Bridges, Ph.D., President

Kaman Sciences Corporation See: Kaman Corporation

Kanawha Valley Data Control, Inc.

Kansas City Southern Corp.

SUBSIDIARIES:

DST Systems, Inc.
301 W. 11th St.
Kansas City, MO 64105
(816) 421-4343
Thomas A. McDonnell, President
Public
Total Sales FYE 12/82: \$37,456,000
Cptr. Sves. Revs. FYE 12/82: \$27,178,000
Computer Services Offered: • Processing

Kappa Systems Inc.
See: Wilson Management Systems and Techonology Group

Kasler Computer Services Division See: Kasler Corporation

Kasler Corporation

DIVISIONS:

Kasler Computer Services Division 27400 E. 5th Street, Box 387 San Bernardino, CA 92402 (714) 884-4811 Robert A. Isakson, Manager

Kates Komputers

PO Box 1675
Sausalito, CA 94965
(415)332-9434
Dan Brindle, Partner
Computer Services Offered: • Software Products

Keane, Inc. 210 Commercial Street Boston, MA 02109 (617) 742-5210 John F. Keane, President

John F. Keane, President
Public
Total Sales FYE 12/82: \$17,605.494
Computer Services Offered: • Processing • Professional
Services

Kearney, A T
222 S Riverside Plaza
Chicago, IL 60606
(312)648-0111
Fred Steingraber, Chief Operating Officer
Private
Computer Services Offered: • Professional Services

Kearns and Company
Name changed to: Kearns, Robert J., Inc.

Kearns, Robert J., Inc. 39 Montgomery Road P.O. Box 96 Montgomery, IL 60538 (312) 896-9791 Robert J. Kearns, Owner

Private
Total Sales FYE 12/81: \$1,200,000 Est.
Computer Services Offered: • Processing

Kebert Corporation
5050 Quorom, Ste 348
Dallas, TX 75240
(214)233-8356
Private
Computer Services Offered: • Processing • Software
Products

Kemp Furniture Industries, Inc.

SUBSIDIARIES:

Wayne Computer Center Inc.
622 South George St PO Box 2087
Goldsboro, NC 27530
(919) 735-0789
Anthony W. Parker, President
Total Sales FVE 12/81: \$2,000,000
Computer Services Offered: • Processing • Turnkey

Kennedy & Coe
See: Kennedy and Coe Certified Public Accountants

Kennedy and Coe Certified Public Accountants

DIVISIONS:

Kennedy & Coe
Bot 179 United Building
Salina, KS 67401
(913) 825-1561
R. Michael Beatty, Partner
Total Sales FYE 9/81: 81,300,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

Kentron International Inc. See: LTV Corporation

Ketabular Processing Company See: Scientific Computers Inc.

Key Data Services Inc. See: Datalift Corporation

Key Entry Inc. See: Capitol Bancorporation

## **CAMP 1983**

## Directory of Computer Services Companies

# Key Financial Systems Inc. P O Box 625 Number 44, Route 46

Upper Montclair, NJ 07058 (201)227-8800 James R. Sharkley, Jr., President

# Key Management Inc. 5201 Eden Cir., Ste 200

5201 Eden Cir., Ste 200 Minneapolis, MN 55436 (612)920-3781 John Smith, President Private

# Key Systems Inc.

16 Ocean East Marathon, FL 33050 (305) 743-5890 Richard T. Lilly, President

### Key-Data Associates, Inc.

See: National Business Systems, Inc.

### **Key-Matic Corporation**

1961 Morris Ave. Union, NJ 07083 (201) 964-0393 Thomas Scalea, President Private

### **Keydata Corporation**

108 Water Street
Watertown, MA 02172
(617)924-1200
William H McMorrow, President
Public
Total Sales FYE 7/81: \$11,839,000
Computer Services Offered: • Processing

### Kevdata Systems Inc.

4318 Hamilton Drive Suite 105 Hyattsville, MD 20781 (301)699-8466 Computer Services Offered: • Processing • Software Products

# Keypunch & Systems Support, Inc.

Tarrytown, NY 10591 (914) 631-1757 Robert Denzau, President Private Total Sales FYE 12/82: \$3,600,000 Computer Services Offered: • Processing

### Keystone Computer Associates Inc.

1055 Virginia Drive Fort Washington, PA 19034 (215) 634-3800 Leon E. Ellerson, President Private Total Sales FYE 5/82: \$4,000,000 Computer Services Offered: \* Software Products \* Professional Services

### Keyvest

215 St. Paul St., Ste. 205 Denver, CO 80206 (303) 534-8400 Bill Hinkle, President

### Kidd International Data Processing

3180 Bladensburg Rd., N.E. Washington, DC 20018 (202)269-6250 Computer Services Offered: • Processing

### Kimbrough Computer Sales, Inc.

3705 Kipling Avenue
Wheatridge, CO 80033
(303)425-0663
Fred Hughes, President
Private
Total Sales FYE 6/81: \$1,500,000
Computer Services Offered: 

Software Products
Professional Services • Turkev Systems

### Kipps Data Processing Inc.

53 Broad St. Plattsburgh, NY 12901 (518) 561-2380 Carol A. Kipp, President

### Kirby Computer Systems

314 Rt 22 Greenbrook, NJ 08812 (201) 469-6000 Robert M. Kirby, President

## Kirchman Corporation 711 Semoran Blvd.

Altamonte Springs, FL 32701 (305) 831-3001 Kenneth P, Kirchman, President Private Total Sales FYE 3/81: \$35,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Florida Software Services

P.O. Box 2269 Orlando, FL 32802 (305) 831-3001

### Klaassen & Associates

1001 Howard Avenue New Orleans, LA 70113 (504) 524-6779

### KMega Technology

1080 E. Duane Ave. Suite F Sunnyvale, CA 94086 (408) 730-9200 Keiji Muranaga, President

### Knuth Computer Services Inc

4 Walnut Place Hubbard, OH 44425 (216)534-1481 Joann K Knuth, President

Total Sales FYE 7/82; \$250,000 Est. Computer Services Offered: • Software Products • Professional Services

Kolons, A.J. & Associates P.O. Box 12581 St. Louis, MO 63141 (314) 576-7900 A.J. Kolons, President Private

## Kor Data Systems Inc.

290 N. Street, N.W. Grand Rapids, MI 49504 (616) 363-7707 John Highill, President Private

#### Korvettes

#### SUBSIDIARIES:

#### Datamor

132 West 31st Street New York, NY 10001 (212) 564-3030 Morton Weitz, President

#### Kranzley & Co., Inc. See: Anacomp. Inc

Krell Software Corp

21 Millbrook Dr Stoney Brook, NY 11790 (516)751-5139 Marcia Friedland, President Total Sales FYE 3/83: \$750,000 Est. Computer Services Offered: • Software Products

## Krohm International, Ltd

550 Stevenson Hwy Troy, MI 48084 (313)588-3011 Gary Krohm, President Total Sales FYE 5/81: \$400,000 Est. Computer Services Offered: • Software Products

## Krown Computing See: Krown Enterprises

#### Krown Enterprises

#### DIVISIONS:

Krown Computing
1282 Conference Dr PO Box 66763 Scotts Valley, CA 95066 (408)335-3133 Computer Services Offered: • Software Products

### L.D.M. Inc.

529 Second St., S Covina, CA 91720 (213)967-1506 Rick Brutocao, President Total Sales FYE 2/81: \$5,000,000 Cptr. Svcs. Revs. FYE 2/81: \$4,000,000
Computer Services Offered: 
Processing Software Products . Professional Services

#### LCS Data Processing Inc. 420 Oakmead Parkway

Sunnyvale, CA 94086 (408) 738-2900 Raymond E. Zazzi, President Total Sales FYE 12/81: \$2,800,000 Est.

Computer Services Offered: . Processing

#### LNK Corporation 4321 Hartwick Road

College Park, MD 20740 (301) 927-3223 Laveen Kanal, President Private

### LTV Corporation

#### SUBSIDIARIES:

## Kentron International Inc.

2345 West Mockingbird Lane Dallas, TX 75235 (214) 350-3511 Lincoln Brown, President Total Sales FYE 1/81: \$100,000,000 Cptr. Svcs. Revs. FYE 1/81: \$4,300,000

Computer Services Offered: 

Processing 
Software Products • Professional Services

### Labyrinth Systems, Ltd.

11 Grace Ave Great Neck, NY 11021 (516) 487-7766

Laidlaw, Richard E. Inc. 242 Pinewood Trail Trumbull, CT 06611 (203)378-2099 Richard E Laidlaw, President Computer Services Offered: • Software Products

### Lakeland Computing Service Inc.

P.O. Box 220 Fontana, W1 53125 (414) 275-6871 Jennifer Forbeck, President

### Lambros, Peter & Associates

124 Thelma Dr San Antonio, TX 78212 (512) 826-7006

## Lamda Systems Inc.

PO Box 113 Waterville, KS 66548 (913)785-2606

LAN Systems, Inc.

2499 Rice Street Suite 240 St. Paul, MN 55113 (612) 483-5221

Thomas L. Dictsche, President

Total Sales FYE 12/81: \$700,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Lanco Data Processing Services Inc.

203 Little Canada Road St. Paul, MN 55117 (612) 483-6711 Rod Langum, President Private

Landart Systems, Inc. See: C M & M Group Inc

Langenbacher Data Stystems

5100 Oakland St. Louis, MO 63110 (314)531-7455

William B. Langenbacher, President

Langston Kitch & Associates 125 E. 2nd St.

Wichita, KS 67202 (316) 264-9185 Bob Langston, President

Language & Systems Development Inc.

3121 Powder Mill Rd. Adelphi, MD 20783 (301) 587-0050 Alfred Beam, President Private

Language Processors, Inc. 254 Tapelo Road Belmont, MA 02178 (617) 484-4744 Michael Schwartzman, President Private

Language Resources 4885 Riverbend Rd

Boulder, CO 80301 (303)449-8087 Bruce Rauenel, President Private

Lantor Information Systems See: Lantor, Inc.

Lantor, Inc 8055 Manchester Ave. Playa Del Rey, CA 90291

SUBSIDIARIES:

Lantor Information Systems

8055 Manchester Ave Plava Del Rev CA 90291 Computer Services Offered: • Software Products LARC Computing, Inc. 339 S. San Antonio Rd.

Los Altos, CA 94022 (415)941-9310

Lark, D.W. Ltd.

1306 Janina Blvd. Burlington, ON L7P1K (416) 634-2904 Dana Lark, President

Latham Computer Center Inc.

16 Maple Street Latham, NY 12110 (518) 785-3333 Pat Trapasso, President Private

Lavan Systems Inc

11 Hanover Square New York, NY 10005 (212)344-0202 Computer Services Offered: • Software Products

Lawgosser Brothers, Inc.

SUBSIDIARIES:

Data Consultants Inc.

1724 Lyter Drive Johnstown, PA 15905 (814) 255-4137 Frederick B. Mickel, President Private

Total Sales FYE 1/83: \$1,200,000 Est. Computer Services Offered: • Processing

Lawn Data Corporation 11601 S. Mayfield Worth, IL 60482

(312) 597-2626 Glen Haves, Vice President Private

Lawson Associates 2021 Hennepen Ave, E. Minneapolis, MN 55413

(612)379-2633 Jerry Snyder, President Private Total Sales FYE 7/83: \$7,000,000 Est. Computer Services Offered: • Software Products • Professional Services

SUBSIDIARIES:

Manufacturing and Systems Programming 2021 Hennepen Ave, E.

Minneapolis, MN 55413 (612)379-2633 Computer Services Offered: . Software Products

Northwest Keypunch 2021 Hennepen Ave, E. Minneapolis, MN 55413

(612)379-2633

### Learmonth & Burchett Management Systems Inc (LBMS)

601 Jefferson, Ste 320 Houston, TX 77002 (713) 759-1842

Computer Services Offered: • Professional Services

### Learning Company, The

545 Middlefield, Ste. 170 Menlo Park, CA 94025 (415) 328-5410 Marcia Kline, President

Private Computer Services Offered: • Software Products

### Leasing Consultants

15 Furler St. Totowa, NJ 07512 (201)785-9494 William Ward, Sr. Vice President Total Sales FYE 7/81: \$850,000 Est. Computer Services Offered: • Software Products

### Legal Accounting & Management Systems

1830 West Olympic Blvd. Los Angeles, CA 90062 (213) 487-6670 Jerry Bilinsky, President

#### Legal Data Systems 50 Franklin Street

Boston, MA 02110 (617) 426-1040 Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Processing • Software

## Legler Systems Company

23 Charles Hill Road Orinda, CA 94563 (415) 254-1264 William S. Legler, President

#### Letterex Communications Inc.

11 Summit Ave Elmwood Park, NJ 07407 (201)791-3007

Level IV Products, Inc. 32238 Schooleraft Rd. Suite F4 Livonia, MI 48154 (313) 525-6200 Victor Andrews, President

Levi, Ray & Shoup Inc. 2387 W. Monroe St Springfield, 1L 62704 (217) 793-3800 Richard Levi, President

Total Sales FYE 12/82: \$6,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

# Levis, J. Preston Regional Computer

25875 Dixie Hwy. Perrysburg, OH 43551 (419) 874-4315 John Esbin, Executive Director

### Libra Group

1300 Piccard Dr. Rockville, MD 20850 (301) 258-9200 Stewart Gold, President Private

#### SUBSIDIARIES:

#### Libra Technology Group 1300 Piccard Drive

Rockville, MD 20850 (301)258-9200 Private Total Sales FYE 10/82: \$6,100,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

## Libra Programming, Inc.

1954 East 7000 South Suite 301 Salt Lake City, UT 84121 (801)943-2084 William Maasberg, President

#### Libra Technology Group See: Libra Group

#### Lifeboat Associates Inc. 1651 Third Avenue

New York, NY 10028 (212) 860-0300 Tony Gold, President Private

Total Sales FYE 12/82: \$15,000,000 Computer Services Offered: • Software Products

### Lime Trea Computer Systems, Inc.

One Pennsylvania Plaza New York, NY 10001 (212) 594-6172

### Lincoln Data Systems Inc.

Park Avc. at Route 73 Mapleshade, NJ 08052 (609) 667-9344 William Mattison, President Private

### Lincoln Land Software Systems, Inc.

P.O. Box 2457 Springfield, IL 62705 (217) 522-1747

Link Systems

1640 19th St Santa Monica, CA 90405 (213)453-1851

Hindy K Tolwin, President

Total Sales FYE 7/82: \$750,000 Est. Computer Services Offered: • Software Products

Linton, Shafer & Co

6 West Second St Frederick, MD 21701 (301) 663-5122

Donald C. Litton, Managing Partner

Total Sales FYE 6/82: \$300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Liocs Corporation

2100 Clearwater Drive Oakbrook, IL 60521 (312) 887-0420 Michael B. Andelman, President Private

List Processing Company, Inc.

555 Water's Edge Lombard, IL 60148 (312) 932-7000 Don Landgraf, President

Products

Total Sales FYE 5/82; \$4,000,000 Computer Services Offered: • Processing • Software

Listmark Computer Systems Inc.

105 Oak Street Norwood, NJ 07648 (201) 767-1730 Howard J. Brook, President Private

Little, Arthur D., Inc.

Acorn Park Cambridge, MA 02140 (617) 864-5770 John F. Magee, President Total Sales FYE 12/82: \$181,398,000 Cptr. Svcs. Revs. FYE 12/82: \$39,000,000 Est.
Computer Services Offered: • Professional Services

SUBSIDIARIES:

Delphi Associates, Inc. 169 Merrimack St.

Lowell, MA 01852 (617)458-3900 R. Trombly, President

Little, Arthur D., Systems, Inc.
17 New England Executive Park Building 17 Burlington, MA 01803 (617) 272-3400 Howard Morrison, President

Little, Arthur D., Systems, Inc. See: Little, Arthur D., Inc.

Litton Computer Services

See: Litton Industries, Inc.

Litton Industries, Inc.

360 North Crescent Drive Beverly Hills, CA 90210 (213) 859-5000 Fred W. O'Green, Chairman

Total Sales FYE 7/83: \$4,719,206,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

Litton Computer Services

1831 Michael Faraday Drive Reston, VA 22090 (703) 471-9200 James Sperger, General Manager Computer Services Offered: . Processing

Litton-Mellonics 1001 West Maude Avenue

Sunnyvale, CA 94086 (408) 245-0795 Richard W. Baker, President Computer Services Offered: • Processing • Professional

Services

DIVISIONS

Mellonics Information Center 6701 Variel Avenue Canoga Park, CA 91303 (213) 887-5100 John F. Soderer, Vice President

Western Geophysical Company of America

10001 Richmond Ave Houston, TX 77042 (713)789-9600 Computer Services Offered: • Processing • Turnkey Systems

Litton-Mellonics

See: Litton Industries, Inc.

Lockheed Aircraft Corporation

SUBSIDIARIES:

Dialog Information Services, Inc. 3460 Hillview Ave

Palo Alto, CA 94304 (415)858-3777 Roger K. Summit, President Cptr. Svcs. Revs. FYE 12/82: \$25,000,000 Est. Computer Services Offered: • Processing

### Lockheed DataPlan Inc

121A Albright Way Los Gatos, CA 95030 (408)866-7613 Computer Services Offered: • Processing

### Lockheed DataPlan Inc

See: Lockheed Aircraft Corporation

### Lockwood Association Inc, The

PO Box 17326 San Antonio, TX 78217 (512)824-1439 Louis J Lockwood, President Total Sales FYE 3/82: \$950,000 Computer Services Offered: . Software Products . Professional Services

### Logi-cal Computing Inc.

930 S. La Brea, 2nd Fl Los Angeles, CA 90036 (213) 208-7744 Douglas Choy, President Private

### Logic Extension Resources

9581 Business Center Dr, Ste J Rancho Cucamonga, CA 91730 (714) 980-0046 Computer Services Offered: • Software Products

# Logic Inc. 2720 Stemmons South Ste 1100

Dallas, TX 75207 (214) 630-6131 David B. Dibrell, President Total Sales FYE 11/81: \$2,120,000 Computer Services Offered: • Processing • Software Products · Professional Services

#### Logica Inc

666 Third Ave New York, NY 10017 (212)599-0828 Computer Services Offered: • Software Products

### Logical Design Corp.

27777 Franklin Rd. Suite 300 Southfield, MI 48034 (313) 354-9557 Gerald Mostowy, President

Total Sales FYE 1/82: \$1,500,000 Est. Computer Services Offered: • Software Products

### Logical Software Inc

1218 Massachusetts Ave Cambridge, MA 02138 (617)864-0137

Computer Services Offered: • Software Products

### Logical Systems Corp.

P.O. Box 2676 La Jolla, CA 92038 (714) 455-5211 James Fried, President Private

#### Logicon Inc.

3701 Skypark Dr Torrance, CA 90505 (213)373-0220 John R. Woodhull, President Public Total Sales FYE 3/83: \$103,306,000 Cptr. Svcs. Revs. FYE 3/83: \$65,700,000 Est. Computer Services Offered: • Professional Services

Logistics Concept Inc. 113 Willowbrook Lewisville, TX 75067 (214)436-4827

### Logistics Systems 199 Wells Avenue

Newton Centre, MA 02159 (617) 965-1111 Donald R Shapiro, President Total Sales FYE 7/83: \$700,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

### Logos

2 Lowe Ave Middletown, NY 10940 (914)343-0656 Bernard Scott, President Public Total Sales FYE 12/82: \$6,000,000 Est. Computer Services Offered: • Software Products

Lone Star Software Inc. 507 E North Belt, Ste 540 Houston, TX 77060 (713)448-1256 Computer Services Offered: • Software Products

Lorber, Raymond G., Inc. 333 Market St. Suite 2840 San Francisco, CA 94105 (415) 434-2607 Raymond G. Lorber, President

#### Loris Data Associates Inc

401 Broadway New York, NY 10013 (212) 431-9586 Adam Gragnani, President Computer Services Offered: • Software Products

#### Lotus Development Corporation

55 Wheeler Street Cambridge, MA 02138 (617) 492-7171 Mitchell D. Kapor, President Public Computer Services Offered: • Software Products

### Loud Consulting Corp 666 Old Country Road Garden City, NY 11530 (516) 794-9200

Douglas Loud, President Private Total Sales FYE 7/82: \$255,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Louisiana Companies

801 North Blvd. Baton Rouge, LA 70821 (504) 383-4761 Frank J. Clesi, President Private

## Louisiana Computing Corporation

3444 Olympic Metairie, LA 70003 (504) 455-5500 Private

## Louisville Tabulating Service Bureau

3 Riverfront Plaza Louisville, KY 40202 (502) 582-3356 Vern Ferguson, President Private

#### SUBSIDIARIES:

### Dataco Computer Services

301 N. First Ave
Evansville, IN 47710
(812)426-1421
Vern Ferguson, President
Computer Services Offered: • Processing • Software
Products • Professional Services

#### LoveLace-Lawrence Co. Inc. 21 Broad St.

Charleston, SC 29401 (803) 577-7838 Giles Lovelace, President Private

#### Lowell-Welter Associates

Box 1597 Houston, TX 77001 (713) 977-9672 W. G. Welter, President Private

### Lowenthal Programming Corporation

30 Rock Ridge Drive
Port Chester, NY 10573
(914) 939-8298
Mark J. Lowenthal, President
Private
Total Sales FYE 7/81: \$300,000 Est.
Commuter Services Offered: • Professional Services

### Lowry, James H & Associates 303 E Wacker Dr

303 E Walket DJ (312)861-1800 James H Lowry, President Private Cptr. Sves. Revs. FYE 12/81: \$3,333,000 Cptr. Sves. Revs. FYE 12/81: \$500,000 Computer Services Offered: • Professional Services

# LTI Consulting Services Inc. Merged into GEISCO's Professional Services subsidiary

Lumberman's Mutual Insurance

SUBSIDIARIES:

### Interstate Business Services

900 Springmill
Mansfield, OH 44902
(419) 524-6161
Jerome McBride, President

### Lundy Electronics & Systems

Robert Lane
Glen Head, NY 11545
(516)671-9000

### Lupfer & Long, Inc.

Box A-57 Hanover, NH 03755 (603) 643-4503 Greg Lupfer, Vice President Private Total Sales FYE 12/81: \$2,000,000 Computer Services Offered: • Software Products

### Lycor Inc.

2606 Fortune Circle Indianapolis, IN 46241 (317) 243-7591 Chris McEvoy, President Private

#### Lynch Data Processing 740-A Industrial Dr.

Cary, IL 60013 (312) 639-2351 John G. Lynch, President Private Total Sales FYE 6/81: \$360,000 Computer Services Offered: • Processing

### M C S Company (The)

P.O. Box 1248 Evanston, 1L 60204 (312) 675-2525

### M.I.S. International, Inc.

24655 South Field Rd, Ste. 211 South Field, MI 48075 (313) 552-0550 Michael Bahn, President

### M.W.L. Inc

32038 Watergate Court
Westlake Village, CA 91361
(213)889-2607
Michael W Lodato, President
Computer Services Offered: • Software Products

# M/A-COM Sigma Data, Inc.

M/A-COM, Inc.

#### SUBSIDIARIES:

### M/A-COM Sigma Data, Inc.

5515 Security Lane Rockville, MD 20852 (301)984-3636 Jorome D. Scheer, President
Total Sales FYE 9/82: \$22,600,000. Est.
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

### MBA

P.O. Box 98144 Tacoma, WA 98498 (206) 581-3202

### MBS Consulting

6407 Irwin Court Oakland, CA 94609 (415) 658-4622 Michael Swartz, President Private

## MBS Software

4849 Ronson Court, Ste 207 San Diego, CA 92111 (714)268-3400 Don Foss, President Private Total Sales FYE 12/81: \$250,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

MCBA 2441 Honolulu Ave Montrose, CA 91020 (213)957-2900 Computer Services Offered: • Software Products

# MCRB Service Bureau 11633 Victory Blvd North Hollywood, CA 91609

(213)984-0641 Richard Yung, President Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Processing

### MCT Information Systems, Inc.

8 Stanley Circle Latham, NY 12110 (518)783-6554 Jay Rovosky, President

Total Sales FYE 9/81: \$1,200,000

Computer Services Offered: • Software Products • Turnkey

## MD-Dexel Systems Corp

479 N Potomac St Hagerstown, MD 21740 (301)790-1177 Computer Services Offered: • Software Products

## MDC Systems Corp See: Day & Zimmerman, Inc.

MDCR, Inc. Morganville, NJ 07751 (201) 536-9548 Alan Cherzak, President

### MDS Lawtime

See: MDS, Inc.

#### MDS Soft Pro System 4121 Mac Donald Ave

Richmond, CA 94805 (415) 234-5440 Computer Services Offered: • Software Products

### MDS, Inc.

2702 International Lane Box 8098 Madison, WI 53708 (608)249-2147 Jon Romnes, President Private Total Sales FYE 12/81: \$1,500,000 Cptr. Svcs. Revs. FYE 12/81: \$1,000,000 Computer Services Offered: . Processing . Software Products

#### DIVISIONS:

### MDS Lawtime 307 Whooping Loop

Altamonte Springs, FL 32701 (305) 831-4200 Computer Services Offered: • Turnkey Systems

#### MHT Services Inc. 90 West Franklin St

Professional Services

Hackensack, NJ 07601 (201)342-1321 Martin Tillinger, PH.D., President Total Sales FYE 1/82: \$550,000 Est Computer Services Offered: • Software Products •

#### MIPS Software Development Inc.

31555 West 14 Mile Road Suite 104 Farmington Hills, MI 48018 (313) 855-3552 Ronald P. Paylak, President Total Sales FYE 8/83: \$600,000 Est. Computer Services Offered: . Software Products

### MIS Associates

220 Washington Ave Extension Albany, NY 12203 (518)456-3303 Steve Fullum, President Computer Services Offered: • Software Products

#### MIS, Inc.

P.O. Box 5000 Bradford, PA 16701 (814) 362-4631 T.R. Bromeley, President Private Total Sales FYE 7/81: \$1,200,000 Est. Computer Services Offered: • Processing

MJK Associates 122 Saratoga Ave., Suite 11 Santa Clara, CA 95051

(408) 247-5102 Susan T. Held, President

Computer Services Offered: • Processing • Professional

### MNC International, Inc. Micro Network Division

511 11TH Avenue South Minneapolis, MN 55415 (612) 333-4303 L. H. Anderson, President

Total Sales FYE 12/82: \$1,500,000

Computer Services Offered: • Software Products • Turnkey

MPSI Group Inc., The 8282 South Memorial Dr. Tulsa, OK 74133 (918) 250-9611 Public

Total Sales FYE 9/82: \$8,953,000 Cptr. Svcs. Revs. FYE 9/82: \$8,057,700 Computer Services Offered: • Professional Services

## MSM Software

Garland, TX 75040 (214) 272-4906 Steve Marrero, President

### MSP, Inc.

Name changed to: Manager Software Products Inc.

## MTSC, Inc.

Merged with: STSC, Inc.

## MVSE Software

347 N Charles St Baltimore, MD 21201 (301)659-7212

Total Sales FYE 6/82: \$1,700,000 Est.

Computer Services Offered: 
Software Products

MVT Microcomputer Systems, Inc. 31225 La Baya, Ste 110 Westlake Village, CA 91362 (213) 349-9076 Donald Pilipovich, President Private

## MacDonald Computer Systems

2827 San Fernando Blvd. Burbank, CA 91504 (213) 846-6510

Bruce E. Adamson, President Private

Total Sales FYE 7/81: \$700,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### MacIntyre EDP Service, Inc.

4546 Beltway, W. Dallas, TX 75234 (214)385-9528

### MacNeal-Schwendler Corporation

Los Angeles, CA 90041 (213) 258-9111 Richard MacNeal, President

Public Total Sales FYE 1/83: \$9,221,000 Computer Services Offered: • Software Products

### Macro Corporation

1260 Virginia Drive Fort Washington, PA 19034 (215) 646-9510 W. Bradford Schultze, President

Private Total Sales FYE 12/81; \$3,000,000 Computer Services Offered: • Professional Services

### Macro 4 Inc.

1 West Hanover Avenue Gothic Plaza Mt. Freedom, NJ 07970 (201) 895-4800 Robert Franco, President Private

#### Madic Corporation 3960 Freedom Circle Suite 104 Santa Clara, CA 95054

(408)988-8311 Richard Wilke, President Total Sales FYE 12/82: \$8,000,000 Cptr. Svcs. Rvcs. FYE 12/82: \$7,200,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

### Power Management

190 South King St, Suite 800 Honolulu, HI 96813 (808) 521-8011 Richard Wilke, President Computer Services Offered: • Processing

### Magda Corporation

I Maria Place Fairfield, NJ 07006 (201) 575-8660

### Magnum Communications, Ltd 320 Interstate N. Pkwy.

320 Interstate, N Atlanta, GA 30339 (404) 952-4940 Carl E. Eikoff, President

Total Sales FYE 7/82: \$400,000 Est. Computer Services Offered: • Software Products

## Mailhouse, Inc. 210 N. 2nd Street

Minneapolis, MN 55401 (612) 339-8701 Norman Herman, President

Total Sales FYE 12/81: \$5,000,000 Cptr. Sves. Revs. FYE 12/81: \$2,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

# Mailing Data Services See: Minute Man Mailers

Sec. William Wallers

Mainstem Corp
PO Box 2 Princeton Forrestall Center
Princeton, NJ 08540

Computer Services Offered: • Turnkey Systems

Major Computer Corporation

Hicksville, NY 11801 (516) 822-4335 Eugene Solomen, President

Mamba Inc

82 Boothby Dr Mount Laurel, NJ 08054 (609)235-7018 David Pliskin, President Computer Services Offered: • Software Products

Management & Computer Services Inc.

See: Pentamation Enterprises Inc.

Management Analysis Co. See: Bayside Holding Corp.

Management and Financial Support Services

DIVISIONS:

BancAids

7297P Lee Highway Falls Church, VA 22044 (703)533-9000 Computer Services Offered: • Software Products • Professional Services

Management Communications Consultants

8595 Beechmont Ave, 3 Fl Cincinatti, OH 45230 (513)474-4070 Robert Snouffer, Sr., President

Management Computer Services, Inc. 2790 Fisher Road

Columbus, OH 43204 (614) 272-0202 Donald A. Turner, President Private

Total Sales FYE 3/81: \$1,800,000 Computer Services Offered: • Processing

Management Computer Services, Inc.

1717 St. James Street P.O. BOX 2045
LaCrosse W1 54601
(608) 784-0354
Robert A. Sierp, President
Private
Computer Services Offered: • Processing • Turnkey

F

Management Computer Controls

2076 Union Ave Memphis, TN 1965 (901)274-0096 W. Cole Early, President

Private
Total Sales FYE 2/81: \$1,000,000 Est.
Cptr. Sves. Revs. FYE 2/81: \$400,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

Management Consulting Services

220 E. 3900 South, Suite 10 Salt Lake City, UT 84107 (801) 268-6102

Management Control Methods Inc.

2258 N. Lake Parkway Atlanta, GA 30084 (404) 934-0480 Richard M. Mosrie, Jr., President Private

Management Control Systems Inc. 5100 Rondo Box 7252 Fort Worth, TX 76111

Fort worth, 1.7 (111)
(817) 625-4221
John W Wendel, President
Private
Total Sales FYE 12/81: \$3,100,000
Cptr. Sves. Revs. FYE 12/81: \$2,850,000
Computer Services Offered: • Processing

Management Control Systems Inc See: Informatics General Corp

Management Cybernetics International

1567 Mt. Vernon Rd. P.O. Box 888467 Atlanta, GA, 30338 (404) 393-1144 Private Computer Services Offered: • Software Products • Turnkey Systems

Management Data Communications

Corporation 9701 West Higgins Rosemont, IL 60018 (312) 698-1300 Fred Coyle, President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Management Data Services Corporation 2011 1 Street N.W.

Washington, DC 20006 (202) 293-7470 Jay Norman Crutchfield, President

Management Data Systems Inc.

Columbus, OH 43212 (614) 443-9487 Richard J. Davis, President

### Management Decision Systems Inc.

2674 No. First St., Stc. 104 San Jose, CA 95134 (408) 263-9800 Steve Havens, President

### Management Decision Systems, Inc.

200 Fifth Ave Waltham, MA 02254 (617) 890-1100 John S. Wurtz, President Total Sales FYE 4/83: \$25,615,000 Computer Services Offered: • Software Products • Professional Services

### Management Decisions Development Corporation

7209 Dixie Highway Fairfield, OH 45014 (513) 874-0111 Ralph R. Hodges, President Private

Management Design Associates

2851 South Parker Road Suite 1080 Aurora, CO 80014 (303) 696-6501 Thomas P. Haass, President Computer Services Offered: • Professional Services

#### Management Directions, Inc. 57 Longuevue Dr

Pittsburgh, PA 15228 (412)323-2341 George Taylor, President Total Sales FYE 3/82: \$500,000

Computer Services Offered: • Processing • Software Products • Professional Services

#### Management Group Inc. 393 Totten Pond Roa

Waltham, MA 02154 (617) 890-6580 Francis Donavan, President

## Management Information Systems (MIS)

6001 Savoy, Suite 202 Houston, TX 77036 (713) 785-3690

### Management Informaton Systems Group, Inc. (MISG)

710 Shadowood Lane Suite 220 Jacksonville, FL 32207 (305) 576-0522 Omer Bader, President

Total Sales FYE 7/82: \$500,000 Computer Services Offered: • Processing • Software Products • Professional Services

Management Methods, Inc.

Merged with: STSC, Inc.

### Management Reporting Service

5929 East 38th Avenue Denver, CO 80207 (303) 399-1424 Robert M. Clawson, President Private

#### Management Science America, Inc. 3445 Peachtree Rd. NE Suite 1300

Atlanta, GA 30326 (404) 239-2000 William M. Graves, President Public Total Sales FYE 12/82: \$101,243,578 Cptr. Svcs. Revs. FYE 12/82: \$95,787,000

Computer Services Offered: • Software Products

#### SUBSIDIARIES:

### Peachtree Software Inc.

3445 Peachtree Rd N.E. Atlanta, GA 30326 (404) 239-3000 Ben Dyer, President Computer Services Offered: • Software Products

## Management Science Associates,

5100 Centre Ave. Pittsburgh, PA 15232 (412) 683-9533

### Management Sciences Inc

6022 Constitution, NE Albuquerque, NM 87110 (505)255-8611 Computer Services Offered: • Software Products

### Management Services Inc.

3 Corporate Square Atlanta, GA 30329 (404) 321-0820 Everett T. Suters, President Private

## Management Systems & Programming

21 Worthen Rd. Lexington, MA 02173 (617) 861-6130 David DaCosta, President Private

### Management Systems Corporation

125 North State Street Salt Lake City, UT 84103 (801) 531-1122 Ray R. Hanson, President Private

#### Management Systems Associates P.O. Box 18327

Raleigh NC 27619 (919) 787-6177 Skip Shippley, President Private Total Sales FYE 6/83: \$2,190,000 Est.

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Management Systems Consulting Services See: General Physics Corporation

### Management Systems of Wausau Inc. See: Wausau Insurance Co

## Management Techniques, Inc.

2001 Beacon St. Boston, MA 02146 (612) 232-8377 Stanley Schein, President Private Total Sales FYE 7/81: \$400,000 Computer Services Offered: . Turnkey Systems

### Management Technology Inc. (MTI) A - 4562 64th St.

Holland MI 49423 (616) 335-5821 J. K. Billman, President Private

#### Manager Software Products Inc. 131 Hartwell Avenue

Lexington, MA 02173 (617) 863-5800 David da Costa, President Total Sales FYE 12/82: \$12,000,000 Computer Services Offered: • Software Products

### Managistics, Inc.

Acquired by: Bank of America Corporation. Now: BA Managistics.

#### Manatron Inc.

2970 South 9th Street Kalamazoo, MI 49009 (616) 375-5300 Allen Peat, President Private

### Mandalla Information Systems

84 Montezuma San Francisco, CA 94110 (415)433-6144 Harry L Colman, Partner Computer Services Offered: • Software Products

## Mandate Corporation

1717 E. Ninth Street 300 East Ohio Building Cleveland, OH 44114 (216) 861-8100 Milton N. Allen, President

#### Manhattan Systems Inc

15713 Osage Ave PO Box 235 Lawndale, CA 90260 (213)679-2145 David Unangst, President

### Mankato Citizens Telephone Co.

#### SUBSIDIARIES:

Computoservice Inc. 1315 Stadium Rd. PO Box 772 Mankato, MN 56001 (507) 625-1691 Richard E. Kendall, President Private

## ManLabs, Inc.

21 Erie St. Cambridge, MA 02139 (617) 491-2900

# Manley Data Processing Company 121 Gertrude Avenue South Paramus, NJ 07652

(201) 843-5005 Robert Manley, President

### Manlius Valley Enterprises Inc.

PO Box 159 Fayetteville, NY 13066 (315) 682-2182 James J. O'Keefe, President

#### Mann Data Inc.

50 Tower Road Newton Upper Falls, MA 02164 (617)964-3250 Frank Mann, President Total Sales FYE 10/81: \$1,200,000 Est. Computer Services Offered: • Software Products • Professional Services

## Mann, Charles & Associates Micro

Software Division See: Mann. Charles & Associates

#### Mann, Charles & Associates

DIVISIONS:

#### Mann, Charles & Associates Micro Software Division

55722 Santa Fe Yueca Valley, CA 92284 (714)365-9718 Charles Mann, President Computer Services Offered: • Software Products

Mantissa Corporation 244 Goodwin Crest Drive Suite 200 Birmingham, AL 35209 (205) 945-8930 Gary Dennis, President Private Total Sales FYE 6/83: \$1,500,000 Est. Computer Services Offered: • Software Products

## Manufacturers Resources and Planning

Name changed to: Compufact

### Manufacturing and Consulting Services Inc (MCS)

17942 Cowan Ave Irvine, CA 92714 (714) 660-1170

Patrick Hanratty, President

Computer Services Offered: • Software Products

Manufacturing and Systems Programming

Manufacturing Data Systems, Inc. See: Schlumberger Ltd

Manufacturing Education Services, Inc

PO Box 1535 Jackson, MI 49201 (517)254-4441

Computer Services Offered: • Software Products

Manufacturing Management Systems,Inc 4175 Dayton Rd

Madison, OH 44057 (216)428-4068

Computer Services Offered: • Software Products

Manufacturing Resources Management 10721 W. Capitol Drive

Milwaukee, WI 53222 (414) 462-3500 S.J. Kohn, President

Private
Total Sales FYE 7/81: \$550,000 Est.
Computer Services Offered: • Software Products • Professional Services

Manufacturing Solutions and Systems

1300 S Calhoun Rd
Brookfield, WI 5300S
(414)786-1172
David C Chopp, President
Private
Total Sales FYE 12/81: \$250,000
Computer Services Offered: • Software Products • Professional: Services

MANUS Services Corporation 1700 Westlake Ave. North

Seattle, WA 98109 (206)285-3260 Clifford M. Asplund, President

Private
Total Sales FYE 3/82: \$7,847,000
Cptr. Sves. Revs. FYE 3/82: \$6,670,000
Computer Services Offered: • Processing • Professional Services • Turnkey Systems

Map/Com Inc.

8552 Katy Freeway No. 123 Houston, TX 77024 (713) 464-7021 Robert L. Gray, President

Maple Plain Company See: Carlson Marketing Group Marathon Management Systems

1690 38th St, Ste 212 Boulder, C0 80301 (303)449-0964

Private
Total Sales FYE 6/82: \$1,000,000
Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

MARC Analysis Research Corp.

260 Sheridan Ave., Ste. 200 Palo Alto, CA 94306 (415) 326-7511 Pedro V. Marcal, President

Private
Total Sales FYE 4/81: \$4,500,000 Est.

Computer Services Offered: • Software Products • Professional Services

Marcam Data Systems Corporation

123 Highland Ave Needham, MA 02194 (617)449-5510

Private

Computer Services Offered: • Software Products • Professional Services

Marchbanks and Parker, Inc. 4538 Centerview Drive

San Antonio, TX 78228 (512) 736-1909 Jerry Parker, President Private Total Sales FYE 2/81: \$400,000 Est. Computer Services Offered: • Software Products • Professional Services

Marcoin Business Management Services,

Atlanta, GA 30329 (404)325-1200 Ronald N. Talmadge, President Private Total Sales FYE 9/82: \$4,409,000 Cptr. Sves. Revs. FYE 9/82: \$3,730,000

Cptr. Svcs. Revs. FYE 9/82: \$3,730,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Marine Management Systems 300 Broad Street

Stamford, CT 06901 (203) 327-6404 James Story, President Private

1924 Cliff Valley Way

Mariposa Corporation P.O. BOX 7 Suite 199

Corte Madera, CA 94925 (415) 461-8850 Robert F Leis, Chairman

Total Sales FYE 10/81: \$1,500,000 Computer Services Offered: • Professional Services

### Maritime Computer Corporation

511 South Avenue Cranford, NJ 07016 (201) 272-3500 Vincent Mongno, President

Private

Total Sales FYE 9/82: \$4,000,000

Computer Services Offered: • Processing • Software

Products • Professional Services

### Mark/Ops

636 Beacon St Boston, MA 02215 (617)266-1930 H W Cates, President

Private
Total Sales FYE 6/82: \$300,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

Market Buy Market See: Golden West Broadcasters

Market Data Retreival See: Houghton Mifflin Company

Market Data Systems Inc.

3835 La Mar Ave Memphis, TN 38118 (901)363-0500 Bufford Smith, President

### Market Science Associates, Inc

1560 Broadway New York, NY 10036 (212) 398-9100

Computer Services Offered: • Processing

Market Vax

SUBSIDIARIES:

Accutab Data Processing Inc.

1010 West Lake Dr Oak Park, IL 60301 (312) 383-8014 Carrie Evans, Group Head Private Total Sales FYE 12/82: \$400,000 Computer Services Offered: ◆ Processing

### Marketing and Systems Development

Corp., The
1200 Wall Street West
Lyndhurst, NJ 07071
(201) 935-9200
Tom Pucci, President

Private
Total Sales FYE 7/83: \$5,940,000 Est.
Computer Services Offered: • Software Products • Professional Services

Marketing Decisions, Inc. 275 Castle Road

Westford, MA 01886 (617) 692-2827 John E. Utz, President Private Marketron

2180 Sand Hill Road Suite 450 Menlo Park, CA 94025 (415) 854-2767 Gerald Cronin, President Private

Marquette National Bank

SUBSIDIARIES:

Marquette Services Corporation

4601 West 80th Street Minneapolis, MN 55437 (612) 830-7400 Ron Ingersoll, President Private

Marquette Services Corporation See: Marquette National Bank

Marsh & McLennan

SUBSIDIARIES:

Insurance Data Processing Inc.

101 Greenwood Ave. Jenkintown Plaza Jenkintown, PA 19046 (215) 885-2150 C.F. Scott, President

Marshall & Stevens

See: Bank Buildings Corporation

Marshall and Swift Publication Company 1617 Beverly Blvd.

Los Angeles, CA 90026 (213) 624-6451 Joseph Marshall, President Private Total Sales FYE 7/82: \$3,000,000 Est.

Computer Services Offered: • Processing

Martec Computer Corporation

14677 Midway, Ste 120 Dallas, TX 75234 (214)630-1240

Martell Laboratories

7100 30TH Avenue N. St. Petersburgh, FL 32710 (813) 345-0100 Harrold Flynn, President

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

Martin and Stern Inc.

112 Ocean Dr Manhattan Beach, CA 90266 (213)374-9669 Daniel Stern, Chief Executive Officer

Daniel Stern, Chief Executive Officer
Private
Total Sales FYE 12/81: \$5,000,000
Cptr. Sves. Revs. FYE 12/81: \$3,500,000 Est.
Computer Services Offered: • Professional Services

- 143 -

## **CAMP 1983**

## Directory of Computer Services Companies

### Martin Isserlis Enterprises

201 East 28th Street New York, NY 10016 (212) 686-8683

### Martin Marietta Corporation

#### SUBSIDIARIES:

### Martin Marietta Data Systems

6301 lvy Lane Greenbelt, MD 20770 (301) 982-6500

Richard J. Walters, President.
Total Sales FYE 12/82: \$245,000,000
Cptr. Sves. Revs. FYE 12/82: \$124,000,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

Mathematica, Inc.

14 Washington Rd. PO Box 2392
Princeton, NJ 08540
(609) 799-2600
Tibor Fabian, President
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

### Martin Marietta Data Systems

See: Martin Marietta Corporation

### SUBSIDIARIES:

### MATHTECH, Inc.

P.O. Box 2392 Princeton, NJ 08540 (609) 799-2600

Norman 1 Agin, President
Computer Services Offered: 

Professional Services

#### DIVISIONS:

### Mathematica Products Group

12 Roszel Rd
Princeton, NJ 08540
(609)799-2600
Richard H Cobb, President
Computer Services Offered: • Software Products

#### Maryland Casualty Co.

#### SUBSIDIARIES:

### Advanced Technology Systems Inc. (Adtec)

P.O. Box 6800 Norcross, GA 30091 (404) 447-6604 Total Sales FYE 12/82: \$7,500,000 Est. Computer Services Offered: • Software Products • Professional Services

### Mason Dixon Freight

#### DIVISIONS:

### Crown Data Center

P.O. Box 969 Kingsport, TN 37662 (615) 247-1138 Wallace Ernest, General Manager

## Massachusetts Computer Associates, Inc.

See: Applied Data Research, Inc.

### Masser Systems Inc.

P.O. Box 852 5020 Sunnyside Ave, Ste. 112 Beltsville, MD 20705 (301) 474-2220 Lee Masser, President

### Master Data Center, Inc.

24700 Northwestern Southfield, M1 48075 (313) 557-4404 Robert B. Gerhardt, President

#### Master Information Systems

100 Graphic Dr.
Syracuse, NY 13206
(315) 463-0211
Pierre J. Maitre, President
Private
Total Sales FYE 11/81: \$750,000
Computer Services Offered: • Processing

## Mathematica Products Group See: Martin Marietta Data Systems

## Mathematica, Inc.

See: Martin Marietta Corporation

# Mathematical Applications Group 3 Westchester Plaza Elmsford, NY 10523

(914) 592-4646
Phillip S. Mittelman, President
Public
Total Sales FYE 3/83: \$7,694,000
Computer Services Offered: • Processing • Turnkey
Systems

#### Mathews & Company 108 Old Kings Hwy. North P.O. Box 2064

Darien, CT 06820 (203) 655-7860 Richard Mathews, President Private

# MATHTECH, Inc. See: Martin Marietta Data Systems

## Matlen Silver Group Inc., The

Lake Hopatcong, NJ 07849
(201) 663-1779

Computer Services Offered: • Software Products

#### Matrix Insurance Services Inc.

1500 West Loop North PO Box 42 Houston, TX 77008 (713) 868-4494 Richard Marxen, President

Total Sales FYE 12/81: \$5,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### Matzen and Associates

1337 N. Meridian Suite 3 Wichita, KS 67203 (316) 942-3905 Samuel L. Matzen, President Private

Maximus Incorporated

6723 Whitter Ave. Suite 101 McLean, VA 22101 (703) 734-0050 David Mastran, PH.D., President Private

May & Speh Processing Center, Inc. 18W 100 22nd St. Suite 100 Oak Brook Terrace, 1L 60181

(312) 620-8060 Albert J. Speh, Jr., President Private Total Sales FYE 6/81: \$8,000,000 Est. Cptr. Svcs. Revs. FYE 6/81: \$7,500,000 Est. Computer Services Offered: • Processing • Professional

Maynard Data Processing See: Maynard Steel Casting Company

Maynard Steel Casting Company

DIVISIONS:

Maynard Data Processing

2856 S. 27th Street Milwaukee, W1 53216 (414) 645-0440 Ralph Wabiszewski, President Private

Mc Clintock

9655 S. Dixie Highway Miami, FL 33169 (305) 666-1300 William Mc Clintock, President Total Sales FYE 7/83: \$600,000 Est. Computer Services Offered: • Software Products

McCleery, Winston T., Consultants 4920 Cottage Hill Rd. P.O. Box 337 Mobile, AL 36609

(205) 661-0833 Winston T. McCleery, President

McCormack and Dodge, Inc.

See: Dun and Bradstreet

### McCracken Computer, Inc.

2 Militia Drive Lexington, MA 02173 (617) 862-3083 Frank McCracken, President

# McCullough and Associates 1401 N. Jesse James Rd.

Excelsior Springs, MO 64024 (816) 637-8638 William McCullough, President Total Sales FYE 7/81: \$200,000 Est.

Computer Services Offered: • Software Products

#### McDevitt & Associates

5019 East 38th Place Tulsa, OK 74135 (918) 627-1181 Dan B. McDevitt, Partner

McDill Corporation

2600 South Blvd. Montgomery, AL 36101 (205) 281-8154 Tom Cantey, President Private

McDonnell Douglas Automation Company See: McDonnell Douglas Corporation

McDonnell Douglas Corporation

DIVISIONS:

McDonnell Douglas Automation Company P.O. Box 516 St. Louis, MO 63166

(314)232-0232 Robert A. Fischer, President Total Sales FYE 12/82: \$599,783,939 Cptr. Svcs. Revs. FYE 12/82: \$328,291,284
Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# McGraw-Hill Information Systems

Company See: McGraw-Hill, Inc.

McGraw-Hill/Multilist See: McGraw-Hill, Inc.

McGraw-Hill, Inc.

SUBSIDIARIES:

Data Resources, Inc. 29 Hartwell Avenu

Lexington, MA 02173 (617) 861-0165 Joseph E. Kasputys, President Total Sales FYE 12/82: \$71,300,000 Cptr. Svcs. Revs. FYE 12/82: \$68,000,000 Est. Computer Services Offered: • Processing • Professional Services

\_\_ 145 \_\_

# Directory of Computer Services Companies

# McGraw-Hill Information Systems

Company

1221 Avenue of the Americas New York, NY 10020 (212) 997-4844 Richard B. Miller, President Total Sales FYE 12/82: \$215,700,000 Cptr. Svcs. Revs. FYE 12/82: \$34,500,000 Est. Computer Services Offered: . Processing

#### DIVISIONS

McGraw-Hill/Multilist

1221 Avenue of the Americas New York, NY 10020 (212)997-1221 Computer Services Offered: • Processing

### Standard & Poor's Corporation

#### SUBSIDIARIES:

# Standard & Poor's Compustat Services

7400 S. Alton Court Englewood, CO 80112 (303) 771-6510 Jay Edward McIntirc, President Total Sales FYE 12/82: \$26,000,000 Est. Computer Services Offered: • Processing

McHugh, Freeman and Associates Inc 6333 Odana Rd

Madison, WI 53719 (608)274-6250 Computer Services Offered: • Software Products

#### McNair, John & Associates

#### DIVISIONS:

Micrographic and Computer Services

L.B. & B. Building Waynesboro, VA 22980 (703) 942-1161 John McNair, Jr., President

### McSpadden & Porter Inc.

PO Box 346 North Billercia, MA 01862 (617)663-6036 William F McSpadden, President

Computer Services Offered: • Software Products • Professional Services

# McSweeney & Associates

1550 N. Bristol Newport Beach, CA 92660 (714) 833-9721 Stephen Rimel, President

#### Mead Corporation

#### SUBSIDIARIES:

Mead Data Central

9333 Springboro Pike P.O. Box 933 Dayton, OH 45401 (513) 859-1611 Jack W. Simpson, President Public

Cptr. Svcs. Revs. FYE 12/82: \$45,000,000 Est. Computer Services Offered: • Processing

### Mead Data Central

See: Mead Corporation

#### Measurement Concepts Corporation (MC2) 1721 Black River Blvd.

Rome, NY 13440 (315)337-1000 Barry Moritz, President

### Mechanical Technology Inc

968 Albany Shaker Rd Latham, NY 12110 (518) 785-2211

Computer Services Offered: • Software Products

#### Mechanics National Bank

16250 Gundry Avenue Paramount, CA 90723 (213) 531-6384 Vido Guarino, President

Computer Services Offered: . Processing

#### Med Logic Systems

2680 Walnut.Ste C Tustin, CA 92680 (714)544-8181 Mimi Mallory, President

Computer Services Offered: • Software Products

#### Medcomp Research Foundation 2400 Reading Road

Cincinnati, OH 45202 (513) 721-3357 R. Dean Wilbur, President

#### Media Services Inc./3M See: 3M

### Medical Data Control

7385 E. Bush Lake Road Edina, MN 55435 (612) 835-6511 Charles Munster, President Private

Total Sales FYE 12/82; \$2,200,000 Computer Services Offered: • Processing

### Medical Data Services

See: Charter Medical Corporation

#### Medical Data Systems

See: Pentamation Enterprises Inc.

#### Medical Datamation

South West & Harrison Bellevue, OH 44611 (419) 483-6060 John Irons, PH.D., President

Private Total Sales FYE 9/81: \$1,000,000 Est.

Computer Services Offered: • Processing • Professional

## Medical Engineering Inc

See: Basic American Industries

#### Medical Information Technology Inc. (MEDITECH)

255 Bent St Cambridge, MA 02141 (617) 354-3000 A. Neil Pappalardo, President

Private Total Sales FYE 12/81: \$6,700,000 Computer Services Offered: 
Processing Software
Products Professional Services Turnkey Systems

## Medical Planning Associates (MPA)

1601 Rambla Pacifico Malibu, CA 90265 (213) 456-2084 Dan Logan, President Private

# Medicomm Corporation

11300 Central Expwy, N. Dallas, TX 75243 (214)696-1985

#### Medicus Systems, Corp. 999 Grove Street

Evanston, IL 60201 (312) 570-7500 John K. Kerr, President Private

Total Sales FYE 5/83: \$14,250,000 Est. Computer Services Offered: • Turnkey Systems

### Medidata Inc.

15551 Cabrito Road Van Nuys, CA 91406 (213) 998-6666 (213) 998-0000 Victor J. Rosen, President Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

# Megalogics, Inc. 150 W 1230 N Provo, UT 84601 (801)377-9154

# Megasoft Computer Systems, Inc

O Box 6121 San Mateo, CA 94403 (415)348-2666

# MegaSystems Associates See: Time Sharing Resources Inc.

Megatek Corporation See: United Telecommunications, Inc.

#### Mellon Bank Data Center See: Mellon National Corporation

## Mellon National Corporation

DIVISIONS:

#### Mellon Bank Data Center

Mellon Square Pittsburgh, PA 15230 (412) 232-4936 Richard Gaugh, Vice President Cptr. Svcs. Revs. FYE 12/82: \$28,748,000 Computer Services Offered: • Processing

### Mellonics Information Center

See: Litton Industries, Inc.

## Mencom Systems Inc.

See: Mennen Company, The

#### Menlo Computer Associates 801 E. Charleston Rd. Suite F

Palo Alto, CA 94303 (415) 494-3170 Jim Crapuchettes, President Private

# Mennen Company, The

SUBSIDIARIES:

### Mencom Systems Inc.

Hanover Avenue Morristown, NJ 07960 (201) 540-0344 Don Pietruszka, Director, Client Services

# Mentor Graphics Corp

10200 SW Nimbus Ave, Ste 67 Portland, OR 97223 (503) 620-9817 Computer Services Offered: • Turnkey Systems

# Mercantile Texas Corporation

SUBSIDIARIES:

### Affiliated Computer Systems

1712 Commerce St. P.O. Box 222327 Dallas, TX 75222 (214) 742-7100 Darwin Deason, Chairman Total Sales FYE 12/82: \$48,000,000 Cptr. Svcs. Revs. FYE 12/82: \$46,000,000 Computer Services Offered: • Processing

# Directory of Computer Services Companies

# Mercantile-Safe Deposit and Trust

Company

Two Hopkins Plaza P.O. Box 2257 Baltimore, MD 21203 (301) 237-5317

Merchandising Directors Inc.

16810 James Couzens Fwy. Detroit, MI 48235 (313) 345-3600 P. David Ruopp, President

Meridian Systems Inc

115 Pierson Lane Windsor, CT 06095 (203)683-1289 William Keresey, Chairman

Private Total Sales FYE 7/82: \$350,000 Est. Computer Services Offered: • Software Products

Merkle Computer Systems Inc. See: Pubco

Merrill Lynch & Co., Inc.

SUBSIDIARIES:

Merrill Lynch Economics

One Liberty Plaza New York, NY 10006 (212) 637-6226 D. Albert Cox, President

Merrill Lynch Economics See: Merrill Lynch & Co., Inc.

Meta Systems Concept Inc. 10 Columbus Circle New York, NY 10019 (212) 580-7948

Metamorphics

Private

5 Drummond Rd Westfield, NJ 07090 (201)654-3200 Milton Scligman, President Private

Total Sales FYE 1/81; \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Metasystems Inc.

3645 Warrensville Center Rd Cleveland OH 44122 (216)561-9111 Thomas Maruna, President Total Sales FYE 12/81: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

Metier Management Systems, Inc. 5884 Point West Dr

Houston, TX 77036 (713) 988-9100 Robin W. I. Lodge, President Private

Total Sales FYE 5/82: \$37,455,000 Computer Services Offered: • Turnkey Systems

Metro Bank

10900 Wilshire Blvd. Los Angeles, CA 90024 (213) 824-5700 James Salin, President Public

Cptr. Svcs. Rcvs. FYE 12/82: \$4,000,000 Est. Computer Services Offered: • Processing

Metro System, Inc.

Tulsa, OK 74105 (918) 743-5351 James A. Greenway, President

Private Total Sales FYE 12/81: \$4,500,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

Metrocom Inc.

200 S. College St., Stc. 1500 Charlotte, NC 28202 (704) 374-1990 Tarokh Taefi, Chairman & President

Total Sales FYE 1/81: \$3,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Metromail Corporation 901 West Bond

Lincoln, NE 68521 (402) 475-4591 William L. Howe, President Private Total Sales FYE 5/82: \$50,000,000 Est Cptr. Svcs. Revs. FYE 5/82: \$47,000,000 Est. Computer Services Offered: 

Processing

Metropolitan Computer Center

See: Forest Lawn Company Metropolitan Life Insurance Company

SUBSIDIARIES:

DTSS Incorporated

10 Allen St. Hanover, NH 03755 (603) 643-6600 Peter R. Genereaux, President Private

Total Sales FYE 12/81: \$6,200,000 Est.

Computer Services Offered: 

Processing 

Software

Products 

Professional Services

Micom Systems

1847 Ruddiman Rd. N. Muskegon, MI 49445 (616) 744-4212 Richard Schanhals, President Private

#### Micor-Net, Inc.

See: Galler Group, The

### Micro Applications Group

7300 Caldus Avenue Van Nuys, CA 91406 (213) 881-8076 Greg Scott, Owner Private

#### Micro Associates Inc.

P.O. Box 2888

La Jolla, CA 92038

2300 Hwy 365, Ste 510 LB 131 Nederland, TX 77627 (713)724-6583 Mark Lee, President

Computer Services Offered: • Processing

#### Micro Business Applications, Inc.

(714) 453-8884 Micro Business Software Inc. (MBSI) Dover Road Willow Hill Building

Chichester, NH 03263

(603)798-5700 Private Total Sales FYE 7/82: \$1,750,000 Est. Computer Services Offered: • Processing

### Micro Business Systems Inc.

7725 Broadway, Suite B Merrillville, 1N 46410 (219)769-3445 Roger Pace, Vice President Private

Total Sales FYE 7/82; \$400,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

#### Micro Computer Management Inc 200 West Prospect Rd

Fort Collins, CO 80526 (303)493-5700 Jerry Taylor, President Computer Services Offered: • Software Products

#### Micro D, Inc.

17406 Mt. Cliffwood Circle

Fountain Valley, CA 92708 (714) 540-4781 Lorraine Mecea, President Public Total Sales FYE 10/82: \$25,348,000 Cptr. Sves. Revs. FYE 10/82: \$7,857,880 Computer Services Offered: • Software Products

### Micro Data Base Systems, Inc. (MDBS)

P.O. Box 248 Lafayette, 1N 47902 (317) 463-2581 Gary Koehler, President Total Sales FYE 12/82: \$3,600,000 Computer Services Offered: • Software Products

# Micro Five Corp

17791 Sky Park Circle Irvine, CA 92714 (714)957-1517 Computer Services Offered: • Software Products

Micro Focus Inc. See: Micro Focus Ltd.

#### Micro Focus Ltd.

SUBSIDIARIES

Micro Focus Inc.

2465 E. Bayshore Road Suite 400 Palo Alto, CA 94303 (415) 856-4161 Paul Adams, President Public Total Sales FYE 11/82: \$8,000,000 Est.

Computer Services Offered: 
Software Products

# Micro Information Systems, Inc. Richardson Plaza Route 309 & Richardson Rd.

Montgomeryville, PA 18936 (215) 855-2700 Stanley I. Simkins, President

#### Micro Macro Systems Inc. 10 Columbus Circle,25Th Floor

New York, NY 10019 (212) 246-4242 Joseph Forgione, President Private Total Sales FYE 6/81: \$1,300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Micro Solutions, Inc. (MSI) 8511 Washington Blvd.

Culver City, CA 90230 (213) 559-3940 Ronald Olch, President Total Sales FYE 3/82: \$750,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Micro Systems Software

3235 Kifer Rd. Santa Clara, CA 95051 (408) 735-1650 George Frainc, Proprietor Private

Micro-Ap Inc. 7033 Village Parkway, No. 206 Dublin, CA 94566

(415) 828-6697 Robert Goodman, President

#### Micro-Base Associates, Inc.

3477 East Livingston Columbus, OH 43227 (614) 231-2130

Schumann Rafizadeh, Vice President

Total Sales FYE 7/81: \$450,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Micro-Call Services

9655-M Homestead Court Laurel, MD 20707 (301)776-5253

Computer Services Offered: • Software Products

#### Microbol, Inc.

P.O. Boy 627 Plymouth, FL 32768 (305) 886-5854 Richard C. Call, President Private

#### Microcobol Products Inc.

Name changed to: BOS National

#### Microcom Inc

1400-A Providence Highway Norwood, MA 02062 (617)762-9310 Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: . Software Products

#### Microcommet

See: Wilson Management Systems and Technology Group

### Microcomputer Consultants

P.O. Box 1 Davis, CA 95616 (916) 756-8104 Charles Russell, Owner

#### Microcomputer Software See: Aeronca, Inc.

# Microcomputer Systems Development

29319 Golden Meadow Dr. Rancho Palos Verdes, CA 90274 (213) 541-0437

### Microcon Digital Systems Inc

126 W Walnut St Kokomo, JA 46901

Computer Services Offered: • Software Products

#### Micrographic and Computer Services See: McNair, John & Associates

### Micromark Systems 5340 Thornwood Dr

San Jose, CA 95123 (408)578-2900

Computer Services Offered: • Turnkey Systems

### Micronomics Business Systems, Inc.

1061 54th Street Brooklyn, NY 11219 (212) 436-0381 B. Rabinowicz, President

#### MicroPro International Corp

33 San Pablo Road San Rafael, CA 94903 (415) 499-1200 Scymour 1. Rubinstein, President Private Total Sales FYE 8/82: \$24,000,000 Est. Computer Services Offered: • Software Products

# Microsoft, Inc.

10700 Northrup Way Bellvue, WA 98004 (206) 455-8080 Bill Gates. President

Total Sales FYE 12/82: \$22,000,000 Est. Computer Services Offered: • Software Products

#### Microsystems Consulting

5237 College Ave Oakland, CA 94618 (415)428-2711 Charles Akers, President
Computer Services Offered: 
Software Products

# Microsystems Inc.

6604 North Addison,Ste 212B Spokane, WA 99208 (509) 747-4135

#### Microtrol Systems Inc.

11181 Harry Hines Blvd. Dallas, TX 75229 (214)247-7872

#### Mid-American Control Corporation US 60 West PO Box 40065

Shelbyville, KY 40065 (502)633-5700 George R Arvin, President Total Sales FYE 10/81: \$1,200,000

Computer Services Offered: • Software Products • Turnkey Systems

#### Mid-American Investment

#### SUBSIDIARIES:

#### Educational Methods, Inc PO Box 2908

Denver, CO 80201 (303)770-2571 Kathleen Heinrich, President Total Sales FYE 12/81: \$900,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Mid-Continent Computer Service Inc.

Merged with: ADAC Laboratories

### Midco Data Systems

See: Dakco Distributors

#### Midcom Corporation

1940 N. Tustin, Ste. 117 Orange, CA 92665 (714) 998-6041 Stephen Grande, President

Private
Total Sales FYE 9/82: \$2,00

Total Sales FYE 9/82: \$2,000,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

Midwest Data Systems, Inc. See: Celina Financial

Midwest Stock Exchange and DST, Inc.

SUBSIDIARIES:

#### Illinois Stock Transfer Inc.

223 W Jackson Chicago, IL 60606 (312)427-2953 George Pearson, President

#### Milestone Systems, Inc 1846 E Camelback Rd, Ste 302

Phoenix, AZ 85016 (602) 279-9216 Michael Miles, President Computer Services Offered: • Software Products

#### Miller Computing Corp

See: Miller Technology and Communications

# Miller Microcomputer Services 61 Lake Shore Rd.

Natick, MA 01760 (617) 653-6136 A. Richard Miller, Partner Private

# Miller Technology and Communications

SUBSIDIARIES:

#### Miller Computing Corp

4837 E McDowell Dr Phoenix, AZ 85008 (602)254-1129 Chuck Winslow, President Cptr. Sves. Revs. FYE 9/81: \$1,700,000 Computer Services Offered: • Turnkey Systems

#### Miller-O'Flynn

10459 Jefferson Blvd. Culver City, CA 90230 (213) 345-9615 Don Miller, President

### Millerick & Associates Inc.

655 Redwood Hwy, Ste 243
Mill Valley, CA 94941
(415)383-7332
Computer Services Offered: • Software Products

#### MIMICS, Inc.

6427 Hilfcroft, Ste. 331 Houston, TX 77081 (713) 440-0083 Rich Wildgerube, President Private Total Sales FYE 7/83: \$600,000 Est. Computer Services Offered: • Turnkey Systems

#### Mincron SBC Corporation 350 Fifth Ave. Suite 2810

350 Fifth Ave. Suite 2810 New York, NY 10118 (212) 736-7970 Computer Services Offered: • Software Products • Professional Services

#### Mineral Search, Inc

12344 Perry Road Houston, TX 77070 (713) 890-7600 William C Oliver, President Private Total Sales FYE 7/82: \$2,500,000 Computer Services Offered: \* Processing

# Mineweld Company of Indiana

DIVISIONS:

# Mineweld Data Management Center

5420 W. Morris Street Indianapolis, 1N 46241 (317) 248-8585

#### Mineweld Data Management Center See: Mineweld Company of Indiana

Mini Computer Application Software (MCAS)

P.O. Box 2553 Orcutt, CA 93454 (805) 735-1069

### Mini Computer Systems International Inc.

7420 Ranco Rd. Richmond, VA 23228 (804) 264-0867

#### Mini Data Systems

2041 Rosecrans Ave. El Segundo, CA 90245 (213) 640-0404 Private Total Sales FYE 5/82: \$2,

Total Sales FYE 5/82: \$2,588,000 Computer Services Offered: • Turnkey Systems

#### Mini Probe Corporation 6605 Woodhaven Blvd.

Rego Park, NY 11374 (212) 830-0110 G. O'Malley, President

### Mini-Computer Business Applications, Inc. (MCBA)

2441 Honolulu Ave Montrose, CA 91020 (213) 247-9050 Stina Hans, President

Total Sales FYE 8/81: \$3,000,000 Computer Services Offered: • Software Products

#### Mini-Computer Support Group

3645 Warrensville Center Rd Shaker Heights, OH 44122 (216)283-2000 Richard Maler, President Total Sales FYE 7/81: \$1,500,000 Est. Computer Services Offered: • Software Products

### Mini-Computer Systems Inc.

399 Fairview Park Dr. Elmsford, NY 10523 (914) 592-8812

#### Minicomputer Company of Maryland, Inc. 793 Elkridge Landing Rd. Ste 16S

Linthicum, MD 21090 (301) 796-7575 Robert W. Johnson, President

### Minicomputer Modeling Inc.

200 W Mercer Queen Anns Square, Ste 508 Seattle, WA 98119 (206)282-9717 Van R. Peterson, President Total Sales FYE 8/82; \$1,250,000 Est. Computer Services Offered: . Software Products

#### Minicomputer Sales & Leasing, Inc.

4 Gary Road Union, NJ 07083 (201) 964-6700 Theodore M. Sabarese, President

## Minicomputer Systems Technology, Inc.

399 Fairview Park Dr Elmsford, NY 10523 (914)592-8812 Bill Doniger, President

### Minidata Services, Inc.

1259 Route 46 Parsippany, NJ 07054 (201) 263-0020 Edward Bindel, President

# Miningham & Oellerich, Inc.

225 Broadway New York, NY 10007 (212) 349-4410 John P. Oellerich, President

Total Sales FYE 12/81: \$1,200,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Ministry Management Systems See: Personal Computer Management Corp

# Minnesota Information Systems

Corporation See: Decision Systems, Inc.

#### Minute Man Mailers

SUBSIDIARIES:

Mailing Data Services 510 E. Commercial Ave. Los Angeles, CA 90012 (213) 626-6301 William J. Atherston, President

#### SUBSIDIARIES:

## Postal Data Corporation

4007A Highway 301 La Plata, MD 20646 (301) 870-3600 Barbara Zuidehof, President

#### Minuteman Computer Corporation Name changed to: Production Systems

3601 N. Miami Ave. Miami, FL 33137 (305) 576-0522 Omer S. Bader, President Total Sales FYE 6/82: \$758,000 Computer Services Offered: . Processing

### Mitchell Matics

See: Cordova Corporation

#### Mitchell Systems Inc.

SUBSIDIARIES:

# Structural Programming Inc. 83 Boston Post Rd.

Sudbury, MA 01776 (617) 443-5366 Neal B. Mitchell, Jr., President

# Mitre Corporation Bedford, MA 01730 (617) 271-2000 R.R. Everett, President

Private Total Sales FYE 7/82: \$210,000,000 Est.
Cptr. Svcs. Revs. FYE 7/82: \$175,000,000 Est.
Computer Services Offered: • Professional Services

# Mitrol, Inc.

See: General Electric Company

Mnemonics Inc. 280 Connecticut Avenue South Norwalk, CT 06854

South Norwalk, CT 06854 (203) 853-7511 Henry T. Tealer, President Private

Total Sales FYE 10/81: \$1,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Mobius Division

See: Nabu Manufacturing Corp.

Modern Computer Systems Corp

6356 South Tamiami Trail Sarasota, FL 33581 (813)923-2584 Robert W Slusarz, President

Computer Services Offered: • Software Products

Modular Information Systems, Inc. (MIS)

1716 West Colonial Drive
Orlando, FL 32804
(305)422-4160
James Holmes, President
Private
Total Sales FYE 1/81: \$1,200,000 Est.

Computer Services Offered: • Software Products

Modulus Data Systems Inc

520 Mercury Dr Sunnyvale, CA 95051 (408) 247-5232 George Liviakis, President Private

Molecular Design Ltd.

1122 B St Hayward, CA 94541 (415) 581-1996 Computer Services Offered: • Software Products

Monchik-Weber Corporation

11 Broadway 2nd F1
New York, NY 10004
(212) 269-5460
John R. Weber, President
Public
Total Sales FYE 5/83: \$21,982,000
Computer Services Offered: • Processing • Software
Products • Processional Services • Turnkey Systems

SUBSIDIARIES:

Monchik-Weber Metro Data Inc.

111 West Jackson Blvd Chicago, 11. 60604 (312) 663-4143 Klaren K. Alexander, Executive Vice President Computer Services Offered: • Processing Monchik-Weber Metro Data Inc. See: Monchik-Weber Corporation

Money Management Systems, Inc.

303 Wyman St.
Waltham, MA 02154
(617) 890-2070
W. Benton Jones, President
Private
Total Sales FYE 6/81: \$2,000,000 Est.
Computer Services Offered: 

Software Products
Professional Services 

\*\*Turkey\*\* Systems\*\*

Money Tree Systems Inc.

P.O. Box 41 McFarland, W1 53558 (608) 838-8273

Montgomery Data Systems Inc.

10400 Connecticut Avenue Kensington, MD 20795 (301) 949-1898 Lynne L. Riley, President Private Total Sales FYE 2/82: \$800,000 Est. Computer Services Offered: • Processing

Moore Business Forms

DIVISIONS:

International Graphics

1660 South Highway 100 Parkdale Plaza 4th Fl St Louis Park, MN 55416 (612) 540-1000 Lou Rupnik, VP & General Manager Total Sales FYE 12/82: 552,000,000 Est. Cptr. Sves. Revs. FYE 12/82: 546,800,000 Est. Computer Services Offered: • Processing • Turnkey Systems

Moore Data Systems Inc.

P.O. Box 3616
Baton Rouge, LA 70821
(504) 928-1763
Harley Moore, President
Private

Morgan Guaranty Trust

23 Wall St. New York, NY 10005 (212) 483-2323 Walter H. Page, President

Morino Associates Inc.

8133 Leesburg Pk, Ste 602 Vienna, VA 22180 (703) 734-9494 Mario M. Morino, President

Private
Total Sales FYE 6/83: \$8,200,000

Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### Morrow Computer Systems

1140 Murfreesboro Rd Nashville, TN 37271 (615) 329-1979

## Mortada International

7616 LBJ Freeway, Suite 406 Dallas, TX 75251 (214) 233-7703

## Mountain Software Growers

3815 Montrose, Ste 236 Houston, TX 77006 (713)526-5349

#### Mountain States Computing

#### SUBSIDIARIES:

#### A Data Services

1142 Indian School Rd., W. Phoenix, AZ, 85011 (602)277-4413 Fred Schmitt, President

### Multibank Computer

See: Multibank Financial Corp.

# Multibank Financial Corp.

SUBSIDIARIES:

Multibank Computer 11 Midstate Dr. Auburn, MA 01501 (617) 832-5344 Herman Hipson, President

### Multicept Corporation

201 West Pine St Rome, NY 13440 (315) 337-1000 Barry Moritz, President Private

# Multinational Computer Models Inc.

605 Bloomfield Ave. Montclair, NJ 07042 (201) 746-5060 Abraham George, President Private Total Sales FYE 12/82; \$1,000,000

Multiple Funding Services Inc.

Computer Services Offered: • Professional Services Merged with: Dun & Bradstreet Computing

#### Multiplications, Inc

1050 Massachusetts Ave Suite 2300 Cambridge, MA 02138 (617)864-5810 Michael H. Pomerantz, President

Private Total Sales FYE 4/82: \$2,400,000 Computer Services Offered: • Software Products • Professional Services

### Multitask, Inc.

1007 Farmington Ave, Ste 15 West Hartford, CT 06107 (203)232-2142 Computer Services Offered: • Software Products

# Muse Software 347 N. Charles St

Baltimore, MD 21201 (301) 659-7212 Edward Zaron, President

Computer Services Offered: • Software Products

Mutual Data Inc.

Acquired/merged with: Policy Management Systems

#### Mycroshare, Inc.

135 Lake Street S. Kirkland, WA 98033 (206) 822-6074 Paul H. Nye, President

Mylee Digital Sciences, Inc. 155 Weldon Pkwy. Maryland Heights, MO 63043 (314) 567-3420 James R. Moog, President Public Total Sales FYE 10/82: \$3,367,000 Computer Services Offered: • Turnkey Systems

#### NCA Corporation 388 Oakmead Pkwy

Sunnyvale, CA 94086 (408) 245-7990 Mark Ciotek, President Public Total Sales FYE 12/82: \$12,804,000 Cptr. Svcs. Revs. FYE 12/82: \$12,256,000 Computer Services Offered: • Processing • Software Products

NCI, Inc. Absorbed by: Pansophic Systems, Inc.

NCNB Corporation
1 NCNB Plaza
Charlotte, NC 28255
Thomas Storrs, Chairman Public Cptr. Svcs. Revs. FYE 12/81: \$863,000 Computer Services Offered: . Processing

#### NCR Corporation

DIVISIONS:

EFT and Data Services Division

#### DIVISIONS

#### NCR Data Services 1700 S. Patterson Blvd.

Dayton, OH 45479 (513) 445-4600 James D. Wise, Asst. Vice President Total Sales FYE 12/82: \$79,000,000 Computer Services Offered: • Processing

#### NCR Data Services See: NCR Corporation

# NDX Corporation

17 South Briar Hollow, Ste 401 Houston, TX 77027 (713) 850-9408 Computer Services Offered: • Software Products

#### NJL Data Corporation See: New Jersey Life

### NLT Computer Services Name changed to: Endata, Inc.

# NMF Inc.

See: SIS Company Company

# NMG Systems Inc.

220 Montgomery St., Ste. 990 San Francisco, CA 94104 (415)398-3215 Computer Services Offered: • Software Products

# NSA. Inc.

One Cherry Hill Cherry Hill, NJ 08002 (609) 667-5000 Nathan Konecky, President Total Sales FYE 9/82: \$4,579,000 Computer Services Offered: • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Arms Inc.

One Cherry Hill Suite 300 Cherry Hill, NJ 08002 (609) 667-5000 Computer Services Offered: • Processing

Interactive Information System Inc.
546 Penn Avenue
West Reading, PA 19611
(215) 375-6265 Russell Hinnershitz, President Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

# National Systems Analysts Inc.

One Cherry Hill, Suite 300 Cherry Hill, NJ 08034 (609) 667-5000 Nathan Konecky, President

### NAB Software Services

3236 Candlelight, NE Albuerque, NM 87111 (505)298-2346 Computer Services Offered: . Software Products '

#### Nabu Manufacturing Corp.

485 Richmond Rd Ottawa, ON KIAOB (613)725-3300 John B. Kelly, Chairman Computer Services Offered: • Software Products • Professional Services

#### DIVISIONS:

#### Mobius Division

485 Richmond Rd Ottawa, ON KIAOB (613)725-3300 David A Clark, President Total Sales FYE 2/81: \$1,028,000 Computer Services Offered: • Software Products • Professional Services

### Natek Corporation

190 Moore Street Hackensack, NJ 07601 (212) 532-9191 Ira Silverman, President Private

#### SUBSIDIARIES:

#### Amtab Data

190 Moore Street Hackensack, NJ 07601 (201) 343-8900 Ira Silverman, President

### National Bancard Corporation

See: Continental Telecom Inc.

#### National Bank of Commerce

1525 Elm Street, LTV Tower P.O. Box 2249 Dallas, TX 75221 (214) 828-5660 John Schultz, Senior Vice President of DP Private

#### SUBSIDIARIES:

#### Commerce General Corp.

1878 E. Broons Rd. Memphis, TN 38116 (901) 345-3990 Ron Young, President Private

# National Bank of Virginia

# Directory of Computer Services Companies

#### SUBSIDIARIES:

### Data Corp of Virginia, Inc.

RNB Center Harrisburg, VA 22801 (703) 434-1331 C. Sheldon Layman, President

#### National Billing Systems, Inc.

See: National Data Corporation

#### National Business Systems, Inc.

9110 Mcadowview Rd Minncapolis, MN 55420 (612) 835-5226 David Thle, President

#### SUBSIDIARIES:

### Kev-Data Associates, Inc.

6043 Hudson Rd St. Paul, MN 51119 (612)735-4700 David Ihle, President

### National Check Records Corp.

975 Stewart Ave Garden City, NY 11530 (516) 222-8610 Ivan T. Berman, President Private Total Sales EVE 7/82: \$8,000.00

Total Sales FYE 7/82: \$8,000,000 Est.

Computer Services Offered: • Processing

### National Color Labs

SUBSIDIARIES:

# Wincl Corporation, The

306 West First Avenue Roselle, NJ 07203 (201) 245-6444 Dennis H. Dwyer, Vice President Private

#### National Computer Analysts Inc.

U.S. Highway One at Farber Road Princeton, NJ 08540 (609) 452-2800 John J. Shechan, President Public Total Sales FYE 12/81: \$2,500,000 Computer Services Offered: • Processing

### National Computer Network of Chicago,

1929 N. Harlem Avenue Chicago, IL 60635 (312) 622-6666 James Leopold, President Private

#### National Computer Systems, Inc. 4401 W. 76th Street

Minneapolis, MN 55440 (612) 830-7600 David C. Malmberg, President Public Total Sales FYE 1/83: \$59,541,000 Cptr. Sves. Revs. FYE 1/83: \$19,238,000 Computer Services Offered: • Processing • Turnkey

Systems

National CSS, Inc.

Name Changed to: Dun & Bradstreet Computing

#### National Data Communications 5540 Harvest Hill Suite 150

Dallas, TX 75230 (214) 386-0600 Thomas W. Butler, Chairman Public Total Sales FYE 10/82: \$16,590,000 Computer Services Offered: • Professional Services • Turnkey Systems

# National Data Corporation

I National Data Plaza Corporate Square Atlanta, GA 30329 (404) 329-8500 L. C. Whitney, President Public Total Sales FYE 5/83: \$119,949,000

Total Sales FYE 5/83: \$119,949,000

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### National Billing Systems, Inc.

12 Corporate Square
Atlanta, GA 30329
(404) 325-4411
Computer Services Offered: • Processing

#### DIVISIONS:

# Rapidata, Inc.

Fairfield, NJ 07006
(201) 227-0035
Robert J. O'Brien, Vice President
Computer Services Offered: • Processing • Software
Products • Professional Services

#### National Data Services, Inc. 21835 Nordhoff St

Chatsworth, CA 91311 (213) 882-7360 Charles Flynn, President Private

# National Database Software, Inc. (NDS) 54808 Centerbrook Rd.

West Bloomfield, MI 48033 (313) 851-5560 David Kleinberg, President Private

#### National Datacentre Corp.

181 West Pender St. Vancouver, BC V6B 1

(604) 682-4262 J.G. Bartlett, Executive Vice President

Private
Total Sales FYE 3/81: \$4,800,000

Computer Services Offered: • Processing • Software Products • Professional Services

#### National Dynamics, Inc.

2285 Elmwood Dr. Smyrna, GA 30080 (404) 433-3000

Gerald Cohen, Exce. Vice President

# National Economic Research Associates,

Inc.

5 World Trade Center,8Th Fl New York, NY 10048 (212)524-7800

Irwin Stelzer, President
Private
Cptr. Sves. Revs. FYE 12/81: \$500,000 Est.

Computer Services Offered: • Processing

#### National Education Corporation

DIVISIONS

#### Brown Computer Center

2716 E Luke St Minneapolis, MN 55406 (612) 721-2481 Steve Wells, Manager of DP Services

#### National Evaluation Systems, Inc

30 Gatehouse Rd PO Box 226 Amherst, MA 01004 (413)256-0444

William Phillip Gorth, President

Private
Total Sales FYE 6/81: \$4,600,000 Est.
Cptr. Sves. Revs. FYE 6/81: \$1,500,000 Est.
Computer Services Offered: • Professional Services

### National Information Systems, Inc.

20370 Town Center Lane Suite 245 Cupertino, CA 95104 (408) 257-7700

Arden P. Scott, President Private

Total Sales FYE 12/81: \$2,700,000 Est.

Computer Services Offered: • Processing • Software Products

#### National Information Utility

1600 Anderson Rd McLean, VA 22102 (703) 734-7000 Jack Taub, President

Computer Services Offered: • Processing

# National Integrated Software Services Inc

## National Planning Data Corp

PO Box 610 Ithica, NY 14850 (607)273-8208

Douglas Salter, President Private

Total Sales FYE 12/82: \$2,000,000 Est. Computer Services Offered: • Processing

### National Real Estate Exchange

418 Clayton Street San Francisco, CA 94117 (415) 221-2121 Ron Greybeal, President Private

National Sharedata Corporation

# Acquired by/merged with: Citicorp

National ShareGraphics, Inc. 1949 Stemmons Freeway Dallas, TX 75207

(214) 651-1025 Del Knowler, President

### National Shawmut Bank of Boston

One Federal Street Boston, MA 02110 (617) 292-2147

### National Spinning Company, Inc.

SUBSIDIARIES:

#### Network Computing Corporation

5301-77 Center Dr. Suite 40 Charlotte, NC 28210 (704) 525-8810 Robert C Harding, President

#### National Systemmetics

SUBSIDIARIES:

#### Reliable Data Service

1766 El Camino Burlingame, CA 94010 Prosper Bijl, Manager

# National Systems & Services

Sacramento, CA 95833 (415) 574-5655

#### National Systems Analysts Inc. See: NSA, Inc.

#### National Systems Corporation 2241 West Howard Street

Chicago, 1L 60645 (312) 338-6611

....

# Directory of Computer Services Companies

National Systems, Inc

320 N Main St, Ste 303 PO Box 7751 Ann Arbor, MI 48107 (313)996-1969

Daniel P. Mincavage, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

National Time Sharing & Data Service

8404 Pine Ave. P.O. Box Niagara Falls, NY 14304 (716) 297-0553

National Training Systems

1111 Broadway Santa Monica, CA 90401 (213) 394-7685

Ron Posner, Chairman Private

Total Sales FYE 4/82: \$2,500,000

Computer Services Offered: • Professional Services

Nationwide Computer Services

Interstate Hwy. 45, N. Ennis, TX 75119 (214)227-2900

Nelson & Bauman, Inc

100 William St, 20th Fl New York, NY 10038 (212)785-9576 Edward W. Nelson, President

Private
Total Sales FYE 12/82: \$1,000,000

Computer Services Offered: • Processing • Turnkey Systems

Neodata Services

See: Nielsen, A.C. Company

Neoterics, Inc.

Acquired/merged with: Computer Task Group Inc.

Neshaminy Valley Information Processing Inc. (NVIP)

See: Combined International Corp.

Nestar Systems Inc. Palo Alto ICS Division

2585 E. Bayshore Rd. Palo Alto, CA 94303 (415) 493-2223 Harry J. Saal, President Private

Network Communications International

2639 Parkmont Ct. SW Olympia, WA 98502 (206) 754-4780 Philip Tenkhoff, President Private

Network Computing Corporation See: National Spinning Company, Inc.

Network Consultants, Inc. See: General Electric Company Network Data Base Systems, Inc

2083 Landings Dr Mountain View, CA 94043 (415)969-4100

Computer Services Offered: • Professional Services

Network Data Processing Corporation

321 Third Street Southeast Cedar Rapids, IA 52407

(319) 365-8691 John D. Ballard, President Public

Total Sales FYE 3/82: \$1,866,300 Cptr. Svcs. Revs. FYE 3/82: \$1,800,000 Computer Services Offered: • Processing • Software Products

Network Technology Inc. See: Computer Dynamics, Inc.

New Century Freight Traffic Association
See: The Marmon Group

New Directions
See: Data Directions, Inc.

New England Management Services Inc

240 Bradley St New Haven, CT 06510 (203)787-3281 Ned B Wilson, President Computer Services Offered: • Software Products

New Jersey Life

SUBSIDIARIES:

NJL Data Corporation Park 80 Plaza West Saddle Brook, NJ 07662 (201) 843-4240

New Orleans Bancshares Inc

New Orleans, LA 70152

SUBSIDIARIES:

Bank of New Orleans and Trust Company

New Orleans, LA 70152 (504)561-7000 Lawrence A. Merrigan, President Cptr. Sves. Revs. FYE 12/81; \$1,244,000 Computer Services Offered: • Processing

New Systems Inc 2505 East Thomas, Ste 6 Phoenix, AZ 85016 (602)956-0990

David L. Warren, President

Total Sales FYE 7/82: \$750,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### New York and American Stock Exchanges

SUBSIDIARIES:

# Securities Industry Automation

Corporation

55 Water Street
New York, NY 10041
(212) 623-7751
Charles B. McQuade, President
Total Sales FYE 12/82: \$128,000,000 Est.
Cptr. Sves. Revs. FYE 12/82: \$125,000,000 Est.
Computer Services Offered: Processing

# New York Times Information Services Acquired/merged with: Mead Data Central

Nichols & Company Inc.

5839 Green Valley Circle Suite 104
Culver City, CA 90230
(213) 670-6400
John F. Nichols, President
Private
Total Sales FYE 12/81: 51,500,000 Est.
Computer Services Offered: • Processing • Software

Products • Professional Services

Nicolet Cad Corporation

See: Nicolet Instrument Corporation

# Nicolet Instrument Corporation

DIVISIONS:

# Nicolet Cad Corporation

2450 Whitman Rd.
Concord, CA 94518
(415) 827-1020
Philip Monego. President
Total Sales FYE 3/81: 83,000,000 Est.
Computer Services Offered: • Turnkey Systems

## NIDUS Systems

1932 14th Boulder, CO 80302 (303) 442-8057

# Nielsen, A.C. Company

Northbrook, II. 60062 (312) 498-6300 N.E. Harden, President Public Total Sales FYE 8/82: \$643,826,000 Cptr. Sves. Revs. FYE 8/82: \$113,500,000 Est. Computer Services Offered: • Processing SUBSIDIARIES:

Compucon

13749 Newtron Road
Dallas, TX 75240
(214) 233-4380
Philip Lindley, President
Computer Services Offered: • Software Products •
Professional Services

Neodata Services

1255 Portland Place Boulder, CO 80302 (303) 442-4282 Private

Computer Services Offered: • Processing

### Nixdorf Computer AG

SUBSIDIARIES:

#### Nixdorf Computer Software Co.

6517 Everglades Dr.
Richmond, VA 23225
(804)276-9200
Jose Santiago, President
Tosal Sales FYE 12/82: \$3,000,000
Computer Services Offered: • Software Products

Nixdorf Computer Software Co. See: Nixdorf Computer AG

# Noble Lowndes Group

SUBSIDIARIES:

#### Woodward, Ryan, Sharp and Davis

3 Park Ave.
New York, NY 10016
(212) 689-4100
Gerald Gurafnik, President
Private
Total Sates FYE 3/83: 56.750.000 Est.
Total Sates FYE 3/83: 56.750.000 Est.
Computer Services Offered: Processing • Software
Products • Professional Services

#### Noesis Computing Company

615 Third Street San Francisco, CA 94107 (415) 495-7440 Robert V. Scavullo, President

#### Nordata, Inc. 100 Route 46

Mountain Lakes, NJ 07046
(201) 335-0050
Carl Mazzo, President
Private
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Norrell Systems Corporation

3098 Piedmont Rd., Suite 404 Atlanta, GA 30305 (404) 262-2100 Guy W. Millner, President

# Directory of Computer Services Companies

### North American Controls (NAC)

14755 S.E. 82 Dr. Clackamas, OR 97015 (503) 657-0211

## North American National Corporation

SUBSIDIARIES:

## Asset Data Systems Inc.

1015 East Broad Street Columbus, OH 43205 (614) 253-7455 John C. Miller, President

#### North American Processing

6160 S. Syracuse Way Englewood, CO 80237 (303) 694-3666 Wayne Woodside, Vice President Computer Services Offered: • Processing

### North County Computer Services

2235 Meyers Ave. Escondido, CA 92025 (714) 745-6006 Robert Mayhew, President Private

## Northeast Data Systems Inc.

20 A Street Burlington, MA 01803 (617) 273-2920 Randolf Navler, President

Total Sales FYE 12/82; \$1,900,000 Est. Computer Services Offered: • Turnkey Systems

### Northeast Datacom Inc.

Barnes Industrial Park North P.O. Box 5014, 4 Tower Dr. Wallingford, CT 06492 (203) 265-3455 Larry Morse, President

## Northeastern Computer Service Inc.

See: St. Lawrence National Bank

# Northeastern Systems Associates Inc.

636 Beacon St. Boston, MA 02215 (617) 266-1930 Homer W. Cates, President

# Northern Consolidated Industries, Inc.

(NCI) See: REAP Inc.

# Northern Numbers, Inc. 430 Oak Grove Suite 201

Minneapolis, MN 55403 (612) 871-7667 Peter Asch, President

Total Sales FYE 12/81: \$650,000 Est. Computer Services Offered: • Software Products • Professional Services

# Northwest Analytical Inc. 1532 SW Morrison St

Portland, OR 97205 (503)224-7727 J L Cawley, President Private

Total Sales FYE 12/81: \$300,000 Computer Services Offered: • Software Products • Turnkey Systems

#### Northwest Bank Corporation

Name changed to: Norwest Bank Minneapolis, N.A.

# Northwest Computer Services, Inc. See: Norwest Bank Minneapolis, N.A.

#### Northwest Keypunch See: Lawson Associates

## Northwest Management Services, Inc.

2323 Eastlake Ave East Seattle, WA 98102 (206)329-9990 John Hughes, President Private

Total Sales FYE 3/83: \$3,600,000 Computer Services Offered: • Processing

# Norwest Bank Minneapolis, N.A.

SUBSIDIARIES:

Northwest Computer Services, Inc. Seventh & Marquette P.O. Box B-1397 Minneapolis, MN 55480 Minneapolis, MIN 33460 (612) 372-8199 Frank Powell, President Total Sales FYE 12/82: \$12,100,000 Computer Services Offered: • Processing

# Norwest Financial, Inc.

207 Ninth Street Des Moines, IA 50307 (515) 243-2131 Richard J.Brinkman, President Public Total Sales FYE 12/82: \$213,278,000 Cptr. Svcs. Revs. FYE 12/82: \$12,502,000 Computer Services Offered: • Processing • Professional Services

# Nour Corporation 2740 S. Harbor Blvd, Suite A

Santa Ana, CA 92704 (714) 754-6667

Nova Computing Services Name Changed to: Southern Computing Services, Inc.

### Novva Computer System, Inc.

190 South King St., Stc. 800 Honolulu, H1 96813 (808) 521-8011

Howard H. S. Tan, President

Computer Services Offered: • Processing • Turnkey Systems

#### Nu-Comp Systems, Inc.

1573 Selby Avenue St. Paul, MN 55104 (612) 646-4507 Bahram Yusefzadeh, President

# NUCO Systems, Inc. Services, Inc.

See: Security America Corporation

### Numerax, Inc.

230 West Passaie St. Maywood, NJ 07607 (201) 368-0170

Keith Keenan, President Public

Total Sales FYE 6/83: \$6,207,112 Cptr. Svcs. Revs. FYE 6/83: \$5,600,000 Est. Computer Services Offered: • Processing

#### Numeri/Comp, Inc.

703 Grove St Rockford, IL 61108 (815) 963-2435 Emil Hahn, President Private

#### Numeric Computational Systems

704 Preston Rd. Erdenheim, PA 19118 (215) 233-3360 Tom March, President Private

### Numeridex, Inc.

241 Holbrook Drive P.O. Box 11000 Whelling, IL 60090 (312) 541-8840 Whilliam Gapp, President Private Total Sales FYE 12/82: \$7,000,000 Est.

. . .

Nyplan Inc 135 Lake St.South Kirkland, WA 98033 (206)822-6074 Paul Ngc, President Total Sales FYE 7/82; \$1,000,000 Est. Computer Services Offered: • Software Products

Computer Services Offered: • Turnkey Systems

#### 040

7500 Greenway Center Greenbelt, MP 20770 (301) 345-0700 Ceeil Barker, Chairman Private Control 
# ODS Systems, Inc.

## OEM Data Systems, Inc.

40 Orville Drive Bohemia, NY 11716 (516) 567-7777 J. Sandler, President

#### OK Data Services

229 West Avenue Darien, CT 06820 (203) 655-2727 Buzz Bellefleur, President Private

#### OLI Systems, Inc.

31 S Street Suite 907-910 Marstown, NJ 07960 (212)736-7257 Marshall Rafal, PH.D., President Private

#### OR/MS Dialogue, Inc.

19 Rector St.
New York, NY 10006
(212)425-2665
Arthur Stern, Exceutive Vice President
Private
Total Sales FYE 6/82: \$2,000,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

# Data Factory, Inc.

New York, NY 10006 (212) 425-2665 Arthur Stern, President

### O'Tech Group Inc

#### DIVISIONS:

Insoft

10175 SW Barbur Blvd, Ste 202B Portland, OR 97219

(503)244-4181

Computer Services Offered: • Software Products

### Oak Software

300 South Dunean Ave Clearwater, Ft. 33515 (813)441-1219

Computer Services Offered: • Software Products

#### Oasys, Inc. (Office Automation Systems)

60 Aberdeen Ave Cambridge, MA 02138 (617) 491-4180 Murray Ruben, President

Computer Services Offered: • Software Products

#### Oatman Computer Resources

3300 Nolt Road Lancaster, PA 17601 (717) 393-8475

James M. Oatman, President

# Occidental Computer Systems, Inc.

6666 Valjeun Ave.
Van Nuys, CA, Ø J406
(213) 782-3005
Paul D, Marchetti, President
Private
Total Sales FYE 1/81: \$800,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

# Occupational Computing Company, Inc.

22311 Ventura Blvd. Suite 123 Woodland Hills, CA 91364 (213) 999-1919 Barry Lederman, President

Private
Total Sales FYE 12/81: \$980,000 Est.
Computer Services Offered: • Software Products • Turnkey
Systems

# Occupational Health Services Inc. See: P. W. Communications

Ocean Data Systems 6000 Executive Blvd. Rockville, MD 20850 (301) 881-3031

# Oceanic Enterprises Inc. Suite 2601

1823 York Rd
Tinoniun, MD 21093
(301)561-1500
John Edwards Johnston, Jr, President
Computer Services Offered: • Processing • Professional
Services

#### OCTO Ltd

Martinsville Center Martinsville, NJ 08836 (201)753-6286 James N, Ottobre, President Public Total Sales FYE 6/83: \$5,437,852

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

# Odin Datasystems 425 Bush Street Suite 205

San Francisco, CA 94108 (415) 433-2165 Floyd H. Osborn, Chief Financial Officer Private Total Sales FYE 12/81: \$1,400,000 Est. Computer Services Offered: • Processing

# Office Automation Resources Inc

Dallas, TX 75243 (214)669-9077 Don W Cole, President Computer Services Offered: • Software Products

# Office Manager Inc., The

0.00

Office Services Inc. (OSI)
730 North Post Oak Road 100
Houston, TX 77024
(713) 688-8980
Terry Williams, Proident
Private
Total Sales FYE 12/81: \$1,000,000
Computer Services Officed: • Processing • Professional

#### Officesmiths, Inc.

331 Cooper Street
Ottawa, ON K2P0G
(613) 235-6749
Glen McInnes, President
Computer Services Offered: • Software Products

# Offset Composition Services See: Photo Data Inc.

# Offutt Publishing

Greensborough, NC 27420 (919)373-1666 Robert L. Offutt, President Private Total Sales FYE 3/81: \$7,500,000 Est. Cptr. Svs. Revs. FYE 3/81: \$5,000,000 Est. Computer Services Offered: • Processing • Turnkey Systems

# Ohio Valley Data Control, Inc.

Belpre, OH 45714 (614) 423-9501 Robert W. Bom, President Private Total Sales FYE 6/82: \$6,250,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

2505 Washington Blvd.

# Kanawha Valley Data Control, Inc.

Dunbar, WV 25064 (304)768-8841 Robert W. Bom, President Computer Services Offered: • Processing

# Oil Data Processing Co

Houston, TX 77043

Lynn Roloff, President

Computer Services Offered: 

Processing

#### Oil Industry Computer Services Inc. 8700 Stemmons, Ste. 403

Dallas, TX 75247 (214)631-1528

- 162 --

#### Olamic Systems Corporation

141 W. Jackson Chicago, IL 60604 (312) 786-1410 Helen Mick, President Private

#### Old Stone Bank Computer Center

443 Jefferson Blvd Warwick, R1 02886 (401) 739-8100

#### Olson Research

6305 Ivy Lane Greenbelt, MD 20770 (301) 982-0400 Ronald L. Olson, Chairman And Ceo Private Total Sales FYE 3/83: \$1,500,000 Est. Computer Services Offered: • Professional Services

### Olympic Systems Inc

410 Macklyn Ave Santa Rosa, CA 95405 (707)526-1294 Computer Services Offered: • Software Products

# Omega Microware, Inc.

222 South Riverside Pl. Chicago, IL 60606 (312) 648-4844 David Alpert, President

Total Sales FYE 7/83: \$500,000 Est. Computer Services Offered: • Software Products

#### OMIKRON 1127 Hearst St

Berkeley, CA 94702 (415)845-8013 Computer Services Offered: • Software Products

Omni Computer Services 320 Glynn St, N. P O Box 216 Fayetteville, GA 30214 (404)461-6083 Walt Graves, President Private

#### Omni-American

2306 West Meadowview Rd Greensboro, NC 27407 (919) 852-0680 Charles Hayes, President Total Sales FYE 12/81: \$8,000,000 Computer Services Offered: • Turnkey Systems

# Omnibase Corporation

321 Commercial Avenue Palisades Park, NJ 07650 (201) 224-3535

#### Omnidata

5717 Corsa Avenue Westlake Village, CA 91362 (213) 991-5810

### Omtool Corporation

212 Bacon S Waltham, MA 02154 (617) 899-3920 Martin Schultz, President Computer Services Offered: • Software Products

### On-Going Ideas

RD No. 1, Box 810 Starksboro, VT 05487 (802) 453-4442 Hal Clark, Owner

#### On-Line Accounting Systems Inc.

617 Fairview Houston, TX 77006 (713) 529-9813 E M Wolfe, Jr, President Private Total Sales FYE 12/81: \$2,200,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### On-Line Business Systems Inc.

115 Sansome Street San Francisco, CA 94104 (415) 391-9555 Jeffery D. Stein, President & Chairman Private Total Sales FYE 10/83: \$20,000,000 Computer Services Offered: • Processing • Software Products

#### On-Line Computer Systems, Inc.

500 Newport Center Drive Suite 715 Newport Beach, CA 92660 (714) 644-1801 Ray Wells, Chairman & President Private Total Sales FYE 6/81; \$2,700,000 Computer Services Offered: • Processing

### On-Line Data Processing

N. 637 Hamilton Spokane, WA 99202 (509) 484-3400 Ross Miller, President Private

#### On-Line Design Inc.

See: Technology Management Systems International

#### On-Line Software International

Fort Lee Executive Park 2 Executive Dr Fort Lee, NJ 07024 (201) 592-0009 Jack M. Berdy, President Public Total Sales FYE 5/83: \$20,191,000 Computer Services Offered: • Software Products • Professional Services

### On-Trak Data Systems Inc.

2974 LBJ Frwy Dallas, TX 75234 (214)620-8000

# Online Computer Library Center Inc.

(OCLC) 6565 Frantz Rd

Dublin, OH 43017 (614)764-6000

Rowland Brown, President Total Sales FYE 6/82: \$38,600,000 Cptr. Sves. Revs. FYE 6/82: \$35,400,000 Computer Services Offered: • Processing

Online Databanc Inc.

See: White, Bob, Computing and Software Inc.

#### Opcode, Inc PO Box 66649

Houston, TX 77006 (713) 367-2033

Computer Services Offered: • Software Products

## Open Systems, Inc.

See: Wyly Corporation

#### OPOC Computing Inc.

58 Old Stewart Ave Garden City Park, NY 11040 (516) 741-1460 Todd Johnson, President

Private Total Sales FYE 9/81: \$4,000,000 Est. Computer Services Offered: • Processing

Optipro, Inc.
Box 615 Stock Exchange Tower Montreal, QU 114Z1J (514) 845-8107 Craig H. Brown, President Private

Oracle Corporation 3000 Sand Hill Rd. Menlo Park, CA 94025 (415) 854-7350 Larry Ellison, President

Total Sales FYE 5/82: \$4,750,000 Est. Computer Services Offered: • Software Products

#### Orbanco, Inc.

SUBSIDIARIES:

# American Data Services, Inc. 4550 S.W. Macadam Ave

Portland, OR 97201 (503) 224-9110 Jerry Cranc, President

Total Sales FYE 12/82: \$5,584,000 Computer Services Offered: • Processing • Software

# ORBIS Inc.

174 Armistice Blvd Pawtucket, RI 02860 (401)728-0400 Robert C Halkvard, Chairman Private

Private
Total Sales FYE 3/83; \$4,000,000
Cptr. Svcs. Revs. FYE 3/83; \$2,800,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

# Oregon Software, Inc.

2340 SW Canyon Rd. Portland, OR 97201 (503) 226-7760 Rusty Whitney, President Private

Total Sales FYE 8/81: \$2,000,000 Est. Computer Services Offered: • Software Products

### Organic Software

1492 Winsor Way Livermore, CA 94550 (415)455-4034 Mike Posehn, President

Computer Services Offered: • Software Products

### Organizational Change Corp.

1 Beston Lane Bloomfield, CT 06002 (203) 242-8883 Frank M. Valier, President Private Total Sales FYE 12/82: \$3,200,000 Computer Services Offered: . Software Products . Professional Services

# Orr, Ken & Associates

715 East 8Th Topcka, KS 66607 (913)233-2349 Ken Orr, President
Computer Services Offered: 

Software Products Professional Services

### Orr, Stewart P. & Associates

234 E Colorado Blvd, Ste 402 Pasadena, CA 91101 (213)792-0242 James N Schenck, President Privata Soft Samo ProOffitsed: Total Sales FYE 12/81: \$1,500,000 Computer Services Offered: • Software Products

#### Osborne/McGraw-Hill

630 Bancroft Way Berkeley, CA 94710 (415) 548-2805

#### Output Reporting Inc.

140 W. St. Charles Villa Park, IL 60181 (312) 530-8810

### Overfelt Company, Inc.

310 Traders National Bank Building Kansas City, MO 64106 (816) 474-6760 Charles R. Overfelt, President Private

#### Oxford Software Corporation

174 Blvd. Hasbrouck Heights, NJ 07604 (201) 288-1515 Judd Shanker, President Public

Total Sales FYE 12/82: \$8,900,000 Computer Services Offered: • Software Products

#### SUBSIDIARIES:

#### World Wide Software Associates

174 Blvd. Hasbrouck Heights, NJ 07604 (201)288-1515 Dean Mohlstrom, Sr. Vice President

#### P A International

#### SUBSIDIARIES:

### Pactel Inc

707 Alexander Rd Princeton, NJ 08540 (609)452-8748 John E Jarvis, President

Computer Services Offered: • Professional Services

## P K Systems Inc.

113 North Center Bloomington, H. 61701 (309)828-6031 Computer Services Offered: • Turnkey Systems

#### P. W. Communications

#### SUBSIDIARIES:

#### Occupational Health Services Inc.

515 Madison Avenue New York, NY 10022 (212) 752-4530 John S. Bransford, Jr., President Private Computer Services Offered: • Processing

#### P.B.S. Service Corporation

33 Dartmouth St. Malden, MA 02148 (617) 321-4033

## P.S. Programming & Systems Co.

3220 N. 3rd St. Phoenix, AZ 85012 (602)263-9538

#### P-Stat, Inc. 1101 State Rd,Bldg 4 PO Box AH

Princeton, NJ 08540 (609)924-9100 Shirrell Buhler, President

Total Sales FYE 6/81: \$300,000

Computer Services Offered: • Software Products

#### PAC Systems Inc. 16600 Sprague Road

Cleveland, OH 44130 (216) 243-9966 Joseph Michini, President Private

# PBM Systems Inc

5212 Katella,Ste 106 Suite 208 Los Alamitos, CA 90720 (714) 891-487 David J. Jay, President and Director Private Total Sales FYE 6/82: \$250,000 Est. Computer Services Offered: • Processing • Software

### **PBS** Computing

3550 North Lexington St. Paul, MN 55112 (612) 484-8800 Darrel Gubrud, President Private

Products . Professional Services

Total Sales FYE 4/82: \$2,700,000 Est.

Computer Services Offered: • Processing • Turnkey
Systems

#### PCI Systems 1527 Madison Road

Cincinnati, OH 45206 (513) 751-3960 Computer Services Offered: • Software Products

### PCS Data Processing Inc.

140 Cedar St.
New York, NY 10006
(212) 964-4694
Stunley Berger, President
Public
Total Sales FYF: 10/82: \$2.084,700
Computer Services Offered: • Processing • Professional
Services • Totankey Sestems

#### PDA Incorporated

6405 Metail Shawnee Mission, KS 66202 (913) 677-2552 David Fuller, President Private Total Sales FYE 1/83: \$3,000,000 Computer Services Offered: • Software Products • Professional Services

### PDPS Computer Services

22 Mitchell Dr., E.
Phoenix, AZ, 85012
(602)265-5311
Frank Koehler, President
Private
Total Sales FYE: 10/82: \$1,000,000
Computer Services Offered: • Processing • Turnkey
Systems

#### PHD Systems, Inc. See: AGS Computers Inc.

# PM Computer Services Co. See: AmeriTrust Corporation

# PMS Systems Corporation

2601 Ocean Park Santa Monica, CA 90405 (213) 450-1452 Phillip Chase, President Private

PRC Public Management Services, Inc See: Planning Research Corporation

#### PRC Realty Systems, Inc.

See: Planning Research Corporation

# PRS - The Program of the Month

Corporation 257 Central Park West

New York, NY 10024 (212) 787-1526 Pierre Schwob, President

Private

#### PSA. Inc

1012 Russel St Baltimore, MD 21230 (301)539-6330

Phillip F Sheats, President

Total Sales FYE 2/81: \$7,000,000 Cptr. Svcs. Revs. FYE 2/81: \$5,600,000 Computer Services Offered: • Processing

1259 Route 46, Bldg 2 Parsippany, NJ 07054 (201)335-7800 Robert Gowan, President

### PSI Energy Software

14811 St Marys.Stc 150 Houston, TX 77079 (713) 496-4850 Edward Patton, President

Total Sales FYE 12/81: \$2,700,000 Est. Computer Services Offered: • Software Products

#### PSI-MED Corporation

350 Fisher St Costa Mesa, CA 92627 (714)979-7653

Vansel Johnson, President Private

Computer Services Offered: • Software Products

### PACE Applied Technology Inc.

7900 Sudley Rd. Manassas, VA 22110 (703) 369-3200 Eugene S. Leggett, President Private

#### Pace Computer Systems

6300 Classen Blvd,Ste 101 Oklahoma City, OK 73118 (405)843-0618 Dale R Rinehard, President Computer Services Offered: • Software Products

Pacesetter Systems, Inc. See: Sterling Software, Inc.

## Pacific Computer Systems

222 East 28th St. P.O. Box 1055 Long Beach, CA 90806 (714) 826-6301

Tim Jensten, President Private

Total Sales FYE 3/82: \$1,500,000 Est. Computer Services Offered: • Processing • Software

### Pacific Data Systems

701 Welch Road Palo Alto, CA 94304 (415)328-0736 John Hubbard, President

Total Sales FYE 7/81; \$300,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Pacific Management Systems Inc 840 Hinckley Rd

Burlingame, CA 94010 (415)697-3813

#### Pacific Sierra Research

12340 Santa Monica Blvd Los Angeles, CA 90025 (213) 820-2200 Frank Thomas, President Private

Total Sales FYE 7/83: \$8,000,000 Cptr. Svcs. Revs. FYE 7/83: \$1,200,000
Computer Services Offered: • Software Products • Professional Services

#### Pacific Software Services Co.

17057 Bellflower Blvd. Suite 205 Bellflower, CA 90706 (213) 925-2918 R. Mervyn Heaton, President Private

#### Pactel Inc

See: P A International

# Paid Prescriptions Inc.

See: Computer Sciences Corporation

# Palanter Inc.

3900 NW 79th Avenue Miami, FL 33166 (305) 592-6055

# Pallm, Inc. 2606 Fortune Circle East Dr.

Indianapolis, IN 46241 (317) 243-7591 Chris McEvoy, President Private Total Sales FYE 12/82: \$9,000,000 Est Computer Services Offered: • Software Products • Professional Services

### Palm Computer Services

1325 Main St., N. Las Vegas, NV 89101 (702)386-5807

### Pan American Systems Corporation

831 West Morse Blvd. Winter Park, FL 32789 (305) 647-1588 Jerald T. Rish, President

Private

Computer Services Offered: • Professional Services • Turnkey Systems

## Pan-core Consultants Inc.

1869 Bend Dr W Bloomfield, MI 48013 (313) 879-7400 Ronald J. Laubert, President

# Pan-National Group

SUBSIDIARIES:

### Bancology

P.O. Box 5591 El Paso, TX 79955 (915) 779-6480 William R. Ward, President

#### Panatec Inc.

11450 Markon Ave Garden Grove, CA 92641 (714)895-3855 Arvel Bowyer, President

Total Sales FYE 8/82: \$700,000 Computer Services Offered: • Professional Services • Turnkey Systems

#### Panda Systems, Inc. 7080 Hollywood Blvd., No. 518

Los Angeles, CA 90028 (213) 469-2197 M.T. Bernstein, President

#### Pansophic Systems, Inc.

709 Enterprise Drive Oak Brook, H. 60521 (312) 986-6000 Joseph A. Piscopo, Chairman Total Sales FYE 4/83: \$43,061,890 Cptr. Svcs. Revs. FYE 4/83: \$42,177,000 Computer Services Offered: • Software Products

#### Pantechnic Inc.

89 Mountain Valley Rd Oakland, CA 94605 (415)451-2366 Charles J Villa, Jr, President Computer Services Offered: • Software Products

### PAR Technology Corporation

Seneca Plaza, Route 5 New Hartford, NY 13413 (315) 738-0600 John W. Sammon, Jr. President Public

Total Sales FYE 12/82: \$29,118,000 Cptr. Svcs. Revs. FYE 12/82; \$12,015,000 Computer Services Offered: • Professional Services

#### Para Data, Inc.

157 Burns Avenue Atherton, CA 94025 (415)327-5435 Frank Buckley, President Total Sales FYE 2/81: \$5,000,000 Cptr. Svcs. Revs. FYE 2/81: \$1,000,000 Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

### Para Research

85 Eastern Avenue Gloucester, MA 01930 (617)546-3413 Frank Molinski, President Total Sales FYE 5/83: \$5,250,000 Computer Services Offered: • Processing • Software

#### Parallax Systems

331 West 71st St. New York, NY 10023 (212) 873-7244 Kevin R. Weaver, President Private

Computer Services Offered: • Software Products

### Paramin, Inc.

31 Washington St Wellesley Hills, MA 02181 (617) 235-0495 John Mikle, President Private Total Sales FYE 9/82: \$3,500,000 Computer Services Offered: • Software Products

#### Parish Systems, Inc.

32401 Industrial Drive Madison Heights, MI 48071 (313) 585-7800

Park Avenue 369 Lexington Ave New York, NY 10017 (212) 697-6363 Computer Services Offered: • Processing

#### Parke-Randall Management Co

6728 Hillpark Dr Ste 308 Hollywood, CA 90068 (213)874-2394 Computer Services Offered: • Software Products

#### Parker & Associates

4701 Fletcher Fort Worth, TX 76107 (817)429-6482 Roger Parker, Owner

Computer Services Offered: • Software Products

#### Pascack Data Services 77 Brookside Place

Hillsdale, NJ 07642 (201) 666-3125 Joel Bauer, President Private

Private

# **CAMP 1983**

# Directory of Computer Services Companies

### Pascal Development Co.

10381 S. DeAnza Blvd. Suite 205 Cupertino, CA 95014 (408) 253-4280 Joseph Dahl, President

# Patient Referral Service

1502 Arbuckle Ct. Santa Clara, CA 95050 (408) 946-3891

### Pattern Analysis Recognition (PAR)

228 Liberty Plaza Rome, NY 13440 (315)336-8400 John Sammon, President

### Pattern Systems of NJ, Inc.

1259 Route 46,Ste 201
Parispany, NJ 07054
(201)335-7804
Robert Gowen, President
Private
Total Sales FYE 5/82: \$750,000
Computer Services Offered: Software Products

# Patton Consultants, Inc.

Rochester, NY 14623 (716) 334-25544 Joseph Patton, President Private Total Sales FYE 12/83: \$500,000 Cptr. Sves. Revs. FYE 12/83: \$300,000 Computer Services Offered: • Processing • Software Products • Processional Services • Turnkey Systems

#### Pax Systems

1838 NE 100th Bellevue, WA 98004 (206) 453-9301 Ben Casebolt, President Private

#### Pay-Fone Systems, Inc.

11255 West Olympie Blvd.
West Los Angeles, CA 90064
(213) 473-2935
Lewis Greenwood, President
Public
Total Sales FYE 6/83: \$4,715,000
Computer Services Offered: • Processing

#### Paychex Inc.

275 Lake Avenue Rochester, NY 14608 (716) 647-3510 B. Thomas Golisano, President Public ' Total Sales FYE 5/83: \$23,837,000 Computer Services Offered: • Processing

# Payday, The Payroll Co., Inc. The

Payroll Co,Inc
25 Division Street
San Francisco, CA 94103
(415)495-5959
Russel Holdstein, President
Private
Total Sales FYE 7/83: \$1,200,000
Computer Services Offered: • Processing

# Payment and Transfer Services, Inc. (PATSI)

P.O. Box 3147 Lewiston, ME 04240 (207) 784-5478 William Kendall, President Private

#### Payment Systems Inc.

See: American Express Company

# Payne, Bruce Consultants Inc.

New York, NY 10019 (212) 581-5500 Bruce Payne, President Private Total Sales FYE 12/81: \$1,200,000 Cptr. Sves. Revs. FYE 12/81: \$360,000 Computer Services Offered: • \$50tware Products

# Paynter, E. F. & Associates

409-411 Crand Ave Indianapolis, IN 13204 (317)257-7561 Edwin F Paynter, President Private Total Sales FYE 3/82: \$350,000 Est. Computer Services Offered: • Software Products

### Peachtree Software Inc.

See: Management Science America, Inc.

#### Pearl Data Systems 1325 Morris Dr

Wayne, PA 19087 (215)647-2210 Private Total Sales FYE 6/82: \$850,000 Computer Services Offered: • Software Products • Turnkey Systems

#### Pearlsoft

See: Relational Systems International

#### Peat, Marwick, Mitchell & Co.

303 East Wacker Drive Peat Marwick Plaza Chicago, It. 10154
(312) 938-1000
George Chiang, Managing Director
Total Sales FYE 6/82: 5688,000,000 Est.
Cptr. Sves. Revs. FYE 6/82: 588.000,000 Est.
Computer Services Offered: 

Software Products

Professional Services

SUBSIDIARIES:

Catalyst Corporation

303 East Wacker Drive Peat Marwick Plaza Chicago, IL 60601 (312) 938-1000 George Kittersbach, Partner Computer Services Offered: • Software Products • Professional Services

DIVISIONS:

SMITES Group

303 East Wacker Dr,28th Fl Chicago, IL 60601 (312)938-1000 Robert J Wells, Partner

Computer Services Offered: • Software Products

PECA Associates of Idaho

80 Eureka Square Pacifica, CA 94044 (415) 355-2233 Wilbur Frye, Managing Partner Private

Pegasus Systems, Inc. Incorporated 670 International Parkway Suite 100

Richardson, TX 75081
(214) 235-3099
Blair Stephenson, President
Private
Total Sales FYE 3/38: 51,500,000
Cptr. Svss. Revs. FYE 3/38: 51,500,000
Computer Services Offered: • Software Products • Professional Services • Turneke Systems

Pekin Insurance 2505 Court St Pekin, IL 61554

(309)346-1161
Computer Services Offered: • Software Products

Pelam Inc.

5145 North California St. Chicago, IL 60625 (312) 271-7354 Private

Pennington Systems Inc.

65 S. Main St. Pennington, NJ 08534 (609) 737-2727 Stephen F. Heffner, President

Pentamation Enterprises Inc.

One Bethlehem Plaza
Bethlehem, PA 18015
(215) 691-3616
Jeffrey P. Feather, President

Total Sales FYE 9/82: \$20,500,000

Computer Services Offered: • Processing • Software Products

SUBSIDIARIES:

Management & Computer Services Inc.

74 Great Valley Pkwy.
Malwern, PA 19355
(215) 648-0730
Francis A. Schlegel, Jr., President
Computer Services Offered: • Processing • Software
Products

Medical Data Systems

2675 Junipero Blvd. Long Beach, CA 90806 (213) 595-6451 Robert Green, President

Peoples Bank of Bloomington

120 North Center Street Bloomington, IL 61701 (309) 828-5211

Peoples Trust Bank

DIVISIONS:

Peoples Trust Bank Data Services

Division 913 South Calhoun Street Fort Wayne, IN 46802

(219) 427-8333 Gordon Johnson, Senior Vice President

Peoples Trust Bank Data Services Division

See: Peoples Trust Bank

Perception Technology Corp 50 Shawmut Rd

30 Snawmut Rd Canton, MA 02021 (617) 821-0320 Bob Goodnau, President Private Total Sales FYE 9/82: \$500,000 Commuter Services Offered: • Turnkey Systems

Peregrine Systems Inc

.15530 Rockfield Blvd,Bldg C Irvine, CA 92714 (714)855-3923 Computer Services Offered: • Software Products

Perfect Software, Inc.

702 Harrison St.
Berkeley, CA 94710
(415) 527-2626
Buck Lindsey, Chief Executive Officer
Private
Total Sales FYE 3/83: \$2,500,000 Est.
Computer Services Offered: • Software Products

Performance Development Corporation

1101 State Rd., Bldg. N Princeton, NJ 08540 (609) 921-8770 Karen Guth, President

### Performance Systems, Inc.

O Courthouse Square Rockville, MD 20850 (301) 762-0300

John Wintermute, President

Total Sales FYE 12/81: \$1,250,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Perkin-Elmer Corporation

#### DIVISIONS:

## Interdata

2 Crescent Place Oceanport, NJ 07757 (201) 229-4040 Daniel Sinnott, President

Personal Computer Management Corp 2520 Mission College Blvd. Suite 201 Santa Clara, CA 95050 (408) 732-9222

John Nesleim, President Private Total Sales FYE 12/82; \$2,000,000 Est. Computer Services Offered: 

Software Products

#### DIVISIONS:

Ministry Management Systems 1171 Sonora Ct Sunnyvale, CA 94086 (408) 732-9222 John Nesheim, President

### Personal Systems Technology Inc

22957 LaCadena. Laguna Hills, CA 92653 (714)859-8871 Computer Services Offered: • Software Products

#### Personalized Computer Systems

501 South 1st St, Ste E Arcadia, CA 91006 (213)574-1877 Donald C. Jones, President

# Personnel Data Systems, Inc. White Marsh Plaza 15 East Ridge Pike

Conshohocken, PA 19428 (215) 828-4294 Steve Brody, President Private Total Sales FYE 3/82: \$4,500,000 Computer Services Offered: • Processing • Software Products

### Personnelmetrics, Inc.

1001 6th Ave New York, NY 10016 (212)398-0348 Richard Traum, President Private

Total Sales FYE 6/82: \$1,300,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

## Petroleum Data Corporation

1101 State Road Building D Princeton, NJ 08540 (609) 924-7200 Philip Abrams, President Private Total Sales FYE 10/81; \$8,000,000 Est. Computer Services Offered: • Processing • Turnkey

### Petroleum Data Systems, Inc.

P.O. Box 18308 Denver, CO 80218 (303) 839-5487 Thomas F. Laird, President Private

#### Petroleum Information Corporation

P.O. Box 2612 Denver, CO 80201 (303) 740-7100

#### DIVISIONS:

Systems

#### Computer Research Inc.

5161 Ward Rd. Wheatridge, CO 80903 (303) 421-0644 John Santo, President Private

#### Petroleum Software Systems

8265 S. Walker Oklahoma City, OK 73139 (405) 636-1587 Ken Stith, President

Petroleum Software, Inc.
See: Garies Engineering Petroleum Consultants, Inc.

#### Pharmaceutical Card Systems, Inc. See: Foremost McKesson

#### Pharmacon

See: International Medical Statistics

#### Pharos, Inc.

PO Box 43206 St. Paul, MN 55113 (612) 484-8436 Peter Phelps, President Private

Phase One Systems Inc. 7700 Edgewater Dr,Ste 830 Oakland, CA 94621 (415)562-8085 Howard Sidorsky, President Total Sales FYE 7/82: \$5,000,000 Est. Computer Services Offered: • Software Products

#### Phase 3

25 Flanders Road Belmont, MA 02178 (617) 489-2555 Frank T. Scott, President Private Total Sales FYE 4/83: \$9,000,000

Computer Services Offered: • Processing • Software

Products • Professional Services

### Philadelphia National Bank

#### SUBSIDIARIES:

Colonial Mortgage Service Company

7320 Old York Rd
Philadelphia, PA 19126
(215)782-2180
Gerald R Longworth, Vice President
Computer Services Offered: • Processing

Phoenix Computer Corp.

11949 Jefferson, Ste. 103 Culver City, CA 90230 (213) 827-4500

Phoenix Computing Services

3434 Indian School Rd., E. Phoenix, AZ 85018 (602)956-2000

Phoenix Data Processing

710 E Ogden Ave,Ste 202 Naperville, IL 60540 (312)357-8600 Robert F Grabe, President Private

Total Sales FYE 11/82: \$650,000 Computer Services Offered: • Processing

Phoenix Systems, Inc.

1106 Ohio River Blvd. Sewiekley, PA 15143 (412)741-8330 R. Bruce McKee, President

Photo Data Inc.

419 7th Street N.W.
Washington, D.C. 20004
(202) 783-1010
F. Soott Watkins, President
Public
Total Sales FYE 12/83: \$1,500,000
Computer Services Offered: • Processing • Software
Products • Professional Services

SUBSIDIARIES:

Offset Composition Services

419 7th St. NW Washington, DC 20004 (202) 783-1010 F.S. Watkins, President

#### PHUTZ\$ Inc.

DIVISIONS:

ELS Systems Engineering

P O Box 12415 Cleveland, OH 44112 (216) 321-8303 Dave Boylan, President

### Physicians Practice Management Inc

1810 South Lynhurst,Ste Q Indianapolis, 1N 46241 (317) 248-0357 William Noel, President Private Total Sales FYE 1/82; \$330,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Physics International Company
See: Rock Corporation

....

PIBSCO

P.O. Box 516 Addison, TX 75001 (214) 387-9992

Pillan Data Service

180 Main St. Stoneham, MA 02180 (617) 438-5670 John Pillan, President Private

Pinkerton Computer Consultants

4 Neshaminy Interplex Suite 111
Trevos, PA 19047
(215) 676-3100
William D. Pinkerton, President
Private
Total Sales FYE 12/82: \$9,000,000
Computer Services Offered: • Professional Services

Pioneer Data Systems

DIVISIONS:

Impact Services

P.O. Box 184 Johnston, 1A 50131 (515) 245-3501 Al Miller, President

Pioneer Software, Inc

See: Dickey Grabler Company, The

Planmetrics Inc.

See: Planning Decisions Group

Planning & Control Inc.

201 E. 25th Street New York, NY 10010 (212) 679-5662

John Censor, Managing Partner Private Total Sales FYE 3/81: \$195,000 Est.

Computer Services Offered: • Professional Services

Planning Decisions Group Inc.

# Directory of Computer Services Companies

#### SUBSIDIARIES:

### Decision Products Services, Inc

300 Unicorn Park Woburn, MA 01801 (617) 933-3300 Powers Cameron, President

Total Sales I'YE 12/82: \$3,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

### Planmetrics Inc.

5320 Sears Tower 233 S. Wacker Drive Chicago, H. 60606 (312) 876-2700 Gary L. Neale, President

Total Sales FYE 12/81: \$10,345,000 Computer Services Offered: • Processing • Software Products . Professional Services

#### SUBSIDIARIES:

### Energy Management Associates

100 North Creek Atlanta, GA 90327 (404) 261-5256 Frank J. Reese, President

### Planning Research Corporation

1500 Planning Research Dr McLean, VA 22102 (703)556-1000 John M. Toups, Chairman

Total Sales FYE 6/83: \$318,128,000 Cptr. Sves. Revs. FYE 6/83; \$159,000,000 Est. Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

#### SUBSIDIARIES:

### PRC Public Management Services, Inc.

1500 Planning Research DR McLean, VA 22102 (703)556-1000

Frederick W Kochne, President Computer Services Offered: • Professional Services

#### PRC Realty Systems, Inc.

1500 Planning Research Dr McLean, VA 22102 (703)556-1000 John Corse, President Computer Services Offered: • Processing

#### DIVISIONS:

#### Sterling Systems 1749 Old Meadow Rd.

McLean, VA 22102 (202) 827-9000 Robert L. Quinichett, Chairman and President Computer Services Offered: • Processing • Professional Services

### Plansmith Corporation

50 N Brockway Palatine, IL 60067 (312)359-4045 Craig Hartman, President

Private Total Sales FYE 7/81: \$1,000,000 Est. Computer Services Offered: • Processing • Turnkey

### Players Computer

140 Adams Blvd. Farmingdale, NY 11735 (516) 694-4660 Christian Kropac, President Total Sales FYE 3/81: \$7,000,000 Est. Computer Services Offered: • Processing

#### Plus Computer Technology See: Wilson Jones

### Plycom Services

See: Young Door Company

#### Point 4 Data Corp. 2659 McCabe Way

Irvine, CA 92714 (714) 754-4114 Paul M. Davies, President Private

Total Sales FYE 3/81: \$9,600,000 Cptr. Svcs. Revs. FYE 3/81: \$2,688,000 Computer Services Offered: • Software Products • Turnkey Systems

Poise Company Inc. 201 North Nevada Roswell, NM 88201 (505) 623-8554 Dan Kinnard, President

#### Police Data Systems 6500 Dublin Blvd,Ste 215

Dublin, CA 94568 (415)828-7100 Robert Goodwin, President

Total Sales FYE 12/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey

# Policy Management Systems (PMS) 1321 Lady Street PO Box 10 Columbia, SC 29202

(803) 748-2000 G. Larry Wilson, President Public

Total Sales FYE 12/82: \$44,477,000 Cptr. Svcs. Revs. FYE 12/82: \$36,230,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Polymorphic Computer Systems

P.O. Box 3581 Boulder, CO 80307 (303) 422-1182 Bruce K. Ray, President

# Polytechnic Associates, Inc.

2824 W. George Mason Road Falls Church, VA 22042 (703) 533-2826 P. Willis, President Private

# Pomona 1st Fed. Savings & Loan & Santa Fe Fed. Savings & Loan

SUBSIDIARIES

#### Data Line Service Company 885 S. Village Oaks Dr. Covina, CA 91724

Covina, CA 91724 (213) 339-9011 Norman Salveson, President

### Poorman-Douglas Corporation

1325 Southwest Custer Drive
Portland, OR 97219
(503) 245-5555
John Douglus, President
Private
Totall Sales FYE 12/82: 59,600,000
Computer Services Offered: • Processing • Turnkey
Systems

#### Postal Data Corporation See: Minute Man Mailers

# Potomac Scheduling Company

6400 Goldsboro Rd. Bethesda, MD 20034 (301) 229-8880 David Labovitz, President Private

#### Powell, Marcus Associates

1736 Franklin SI
Oakland, CA 94612
(415)893-7598
Marcus Powell, President
Computer Services Offered: • Software Products

#### Power Management See: Madic Corporation

### Power Technologies Inc. (PTI)

P.O. Box 1058 Schenectady, NY 12301 (518) 374-1220

#### Practical Business Systems Inc

1801 Hicks Rd.Ste E Rolling Meadows, IL 60008 (312)359-6066 Donn W Sanford, President Computer Services Offered: • Software Products

# Practical Management Consulting, Inc. 3925 Rochester Road

Royal Oak, M1 48073 (313) 588-8110 Thomas Lequier, President Private

# Praxa Corporation See: Xerox Corporation

#### Precision Visuals, Inc.

6260 Lookout Road Boulder, CO 80301 (301) 530-9000 James R. Warner, President Private Total Sales FYE 12/82: \$3,600,000 Est. Computer Services Offered: \* Software Products

### Prentice-Hall

SUBSIDIARIES:

#### Software 1040

10 Nevada Drive New Hyde Park, NY 11042 (212) 895-2346 Jack Martin, President Total Sales FYE 12/82: \$5,000,000 Est. Computer Services Offered: • Software Products

### Prestige Software Analysts, Inc

209 Harvard Ave Westville, NJ 08093 (609) 456-0242 Computer Services Offered: • Software Products

#### Price Waterhouse & Co.

1251 Avenue of the Americas New York, NY 10020 (212) 489-8900 Computer Services Offered: • Professional Services

#### Prime Computer Inc.

Prime Park Natick, MA 01760 (617) 655-8000 Public

### SUBSIDIARIES:

Compeda Inc.

Paramus Plaza 1,RT 17 North 140 Rt. 17 North Paramus, NJ 07652 (201) 967-5710 Gilford Aisbitt, President Total Sales FYE 3/82-55,900,000 Computer Services Offered: \* Software Products

#### Prime Factors 6529 Telegraph Ave, Ste. B Oakland, CA 94609

(415)654-5090 Michael Schwartz, President Private

# Directory of Computer Services Companies

#### Princeton Software Co, The

PO Box 1317 Princeton, NJ 08540 (609) 683-0044

Computer Services Offered: . Software Products

## Pritsker & Associates, Inc.

P.O. Box 2413 West Lafayette, IN 47906 (317) 463-5557

David Wortman, Executive Vice President

PRO Systems

6561 Gillis Dr.

San Jose, CA 95120 (408) 997-1776

Processing Center Inc., The

10300 West Office Dr,Ste 700 Houston, TX 77042 (713)972-1015 Jon Wiegand, President

Computer Services Offered: • Processing

#### Processing Management Systems (PMS)

2269 Desert Cove, W Phoenix, AZ 85029 (602) 246-1156

Total Sales FYE 7/83; \$4,500,000 Computer Services Offered: . Processing

#### Processor Innovations

1 Main St,Room 402 Eatontown, NJ 07724 (201) 542-6500 Daniel Udovie, President Private

#### Prodata Computer Services

2333 Western Ave. Scattle, WA 98121 (206) 682-4120

#### Prodigy Systems Inc. 479 Lincoln Highway

Iselin, N.I 08830 (201) 282-2000 Lawrence J. Stein, President Total Sales FYE 12/81: \$3,900,000 Computer Services Offered: • Turnkey Systems

SUBSIDIARIES:

#### Computer Mart of New Jersey, Inc.

501 Route 27 Iselin, NJ 08830 (201)283-0600 Lawrence J. Stein, President

# Product Group, Inc.

90 Tanglewylde Ave Bronxville, NY 10708 (914) 779-2390 Adam T. Block, President

Total Sales FYE 7/81: \$275,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Production Systems

230 Second Avenue Waltham, MA 02254 (617) 890-4070 Mitchell J. Marcus, President

# Productive Computer Systems 233 N Michigan Ave, Ste 1409

Chicago, IL 60614 (312)565-2244 Dennis LaPidus, President

Total Sales FYE 4/83: \$870,000 Computer Services Offered: • Turnkey Systems

# Productivity Equals Profits (PEP) 17370 Brea Blvd. Suite 224

Fullerton, CA 92635 (714) 992-5289

### Professional Automated Service

5325 Northwest 77th Ave Miami, FL 33166 (305) 592-8470 Don Mase, President

Professional Billing Corporation 219 West Morehead Street Charlotte, NC 28202 (704) 375-4541 Robert T. Brownridge, President Private

SUBSIDIARIES

#### Professional Credit Association

219 W. Morehead Street Charlotte, NC 28202 (704) 375-4541 Robert T. Brownridge, President

### Professional Business Industries Inc 5600 N May Ave, Ste 185 Oklahoma City, OK 73112

(405)843-3500 Computer Services Offered: • Software Products

#### Professional Business Software

119 Fremont St San Francisco, CA 94105 (415)546-1596 Computer Services Offered: • Software Products

#### Professional Computer Solutions Inc.

3733 University Blvd. West Suite 105 Jacksonville, FL 32217 (904) 733-6248 Ernest Harden, President Private

# Professional Computer Resources, Inc. 2021 Midwest Rd. Oakbrook, 1L 60521

(312) 923-2200 Jeff Carr, President

Private

Total Sales FYE 7/81: \$6,000,000

Computer Services Offered: • Software Products • Professional Services

### Professional Computer Services

2321 East 28th Street Long Beach, CA 90806 (213) 426-9561 Robert A. Goodman, President

Total Sales FYE 12/81: \$3,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Professional Computer Systems

601 West Tenth Suite 10 Amarillo, TX 79101 (806) 373-8746 Scott Doores, President

# Professional Consulting Services of

Georgia Inc 3020 Atlanta St Atlanta, GA 30080 (404)432-3833

Computer Services Offered: • Professional Services

#### Professional Credit Association See: Professional Billing Corporation

# Professional Data Corp.

55 Wheeler Street Cambridge, MA 02138 (617) 492-1690 Robert J. Kuaal, President Total Sales FYE 11/83; \$500,000 Est.

### Computer Services Offered: • Processing Professional Data Management See: Trionic International, Inc.

Professional Data Services 345 Fifth St. NE Barkerton, OH 44203 (216) 753-8128 Frank Martier, President

#### Professional Data Systems

2001 Hammond St. Bangor, ME 04401 (207)862-4055 Bernhoff A. Dahl, President
Total Sales FYE 2/81: \$750,000 Est.
Computer Services Offered: • Software Products • Turnkey Systems

# Professional Geophysics Inc.

4216 N. Portland Ave Oklahoma City, OK 73102 (405) 946-8603 William E Dulaney, President Computer Services Offered: • Processing

#### Professional Health Research See: Health Systems Institute

# Professional Hospital Services

See: American Medical International Inc.

#### Professional Programming Systems 1901 Nedi-Park Pl., Ste. 10

Amarillo, TX 79106 (806)358-2426

#### Professional Systems Corporation 87-89 Valley Road

Montelair, NJ 07042 (201) 783-6800 Frank M. Downey, Jr., Chairman

#### Profimatics Inc.

77 Rolling Oaks Dr. Suite 202 Thousand Oaks, CA 91361 (805)496-6661 Thomas M. Stout, President Total Sales FYE 12/82: \$2,003,000 Est. Cptr. Sves. Revs. FYE 12/82: \$1,000,000 Est. Computer Services Offered: . Software Products .

# Professional Services Profit Control Systems See: Heidelberg Eastern Inc.

Profit Group, The 7 S. La Grange Rd. La Grange, 1L 60525 (312) 579-5599 Emil Bohaeh, President Private

# Profitool, Inc.

1777 S Harrison, Ste 505 Denver, CO 80210 (303)758-8820 Gary Tamblyn, President Private Total Sales FYE 6/82: \$1,200,000 Computer Services Offered: . Processing . Software Products . Turnkey Systems

# Proform Software, Inc.

1524 Henry St. Berkeley, CA 94709 (415) 526-4035 John Medealf, President

#### Program Control Corporation 7120 Hayvenhurst Avenue Suite 401

Van Nuys, CA 91406 (213) 782-2900 Francis M. Kavanagh, President Private

#### Program Design Inc.

95 E. Putnam Ave Greenwich, CT 06830 (203) 661-8799 John Victor, President

Computer Services Offered: • Software Products

### Program Products, Inc.

See: Information Science, Inc.

#### Program Systems, Inc.

2100 Data Park, Ste 205 Birmingham, AL 35244 (205)942-2068

J. Gary Bishop, Jr, President

Total Sales FYE 1/82: \$500,000 Est. Computer Services Offered: • Software Products • Turnkey

# Programart Corporation

See: Computer System Architects, Inc.

### Programatics, Inc.

See: Trident Data Systems

#### Programmed Control Corporation

2 East Broad Street Hopewell, NJ 08525 (609) 466-2100 John E. Meggitt, President Private

#### Programmed Systems Inc

90 Bagby Dr,Ste 305 Birmingham, AL 35209 (205)942-2068 J Gary Bishop, President

Computer Services Offered: • Software Products

#### Programming Services, Inc.

939 James Wyandotte, MI 48192 (313) 285-0228 Paul M. Showalter, President

#### Programs & Analysis, Inc.

See: Puritan Fashions Corp.

#### Progressive Farmer Corporation

SUBSIDIARIES:

AKRA Data Corporation 500 Office Park Dr Birmingham, AL 35223 (205)877-6000 Jerry Hutchinson, President Private Total Sales FYE 11/81: \$2,000,000 Est. Computer Services Offered: • Processing

## Project Software & Development, Inc.

14 Story St. Cambridge, MA 02138 (617) 661-1444 Robert L. Daniels, President Private

Total Sales FYE 12/82: \$12,000,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Promedics Data Corporation

1032 Elwell Ct,Ste 240 Palo Alto, CA 94303 (415)961-2401 Robert C Brehm, President Computer Services Offered: • Software Products • Turnkey

#### Proprietary Computer Systems, Inc. See: CISI Group

Proprietary Software Systems, Inc. 9911 West Pico Blvd. Penthouse K

Los Angeles, CA 90035 (213) 553-2997 Joel Fleiss, President Private Total Sales FYE 6/82: \$1,100,000 Computer Services Offered: . Software Products

# Proteus Systems Inc.

21601 Devonshire St,Ste 116 Chatsworth, CA 91311 (213)700-9964 Computer Services Offered: • Processing

#### Provident National Bank

SUBSIDIARIES:

#### Johnson Computing Inc.

P.O. Box 7976 Philadelphia, PA 19101 (215) 585-6660 James Shoaff, President

#### **Proximity Devices Corporation** 5353 North Federal Highway

Fort Lauderdale, FL 33308 (305) 556-3511 Computer Services Offered: • Software Products

#### Prudential Group

SUBSIDIARIES:

#### Teldata Systems Corporation 90 Broad Street

New York, NY 10004 (212) 248-9200 William M. Sheeser, President
Total Sales FYE 7/81: \$5,000,000
Cptr. Sves. Revs. FYE 7/81: \$2,500,000
Computer Services Offered: • Processing • Software Products . Turnkey Systems

# Pryor Corporation 400 N. Michigan Avenue Chicago, 1L 60611

(312) 644-5650 W. Lee Pryor, President Private

Total Sales FYE 9/82: \$45,000,000 Cptr. Svcs. Revs. FYE 9/82: \$1,500,000 Computer Services Offered: • Processing • Turnkey

#### Psych Systems, Inc 600 Reistertown Rd Baltimore, MD 21208

(301)486-2206 Jerome J. Coller, President

Total Sales FYE 11/82: \$4,295,585 Computer Services Offered: • Turnkey Systems

#### Pubco

SUBSIDIARIES:

### Merkle Computer Systems Inc.

5200 E. Philadelphia Way Lanham, MD 20706 (301) 459-9700 Harvey Blanton, President

#### Public Technology, Inc.

SUBSIDIARIES:

#### Fleet Management Systems, Inc.

147 West Lyman Ave Winter Park, FL 32789 (305) 629-4900 John D. Gorman, President Private Total Sales FYE 7/83: \$7,000,000 Cptr. Svcs. Revs. FYE 7/83: \$3,000,000 Est.

Computer Services Offered: 

Processing 

Software Products

#### Pugh-Roberts Associates, Inc.

3 Lee Street Cambridge, MA 02139 (617) 864-8880 Edward B. Roberts, President Private

Pulsar Systems Inc 1259 Route 46,Bldg 2 Parsippany, NJ 07054 (201)335-5600 Carl M Dula, President

Total Sales FYE 12/82: \$1,000,000 Est.

Computer Services Offered: 

Processing 

Software Products 

Professional Services

#### Punch Card Processing Co.

6875 New Hampshire Ave Takoma Park, MD 20012 (301)270-1887 Computer Services Offered: • Processing

### Puritan Fashions Corp.

### ·SUBSIDIARIES:

### Programs & Analysis, Inc.

21 Ray Avenue Burlington, MA 01803 (617) 272-7723 (61) 212-1123 Paul J. Brighton, President Total Sales FYE 1/83: \$5,868,000 Cptr. Svcs. Revs. FYE 1/83: \$3,479,000 Computer Services Offered: • Processing

Puter Associates 345 Whitney Ave. New Haven, CT 06511 (203) 562-2101 Ronald Mills, President Private

# Pycco Computer Systems, Inc.

710 E. Ogden, Suite 201 Naperville, IL 60540 (312) 961-2262 Louis H. Haberbeck, Jr., President

# Q-Data Corporation

2035 Westwood Blvd Los Angeles, CA 90025 (213)475-6006

Q.S., Incorporated Bankers Trust Plaza, Ste. 1106 P.O. Drawer 847 Greenville, SC 29602 (803) 232-2666 Francis M. Cowder, President Private

Total Sales FYE 12/82: \$1,000,000 Computer Services Offered: • Software Products • Turnkey

# Ometrics, Inc.

The Empire State Bldg, Ste 150 350 Fifth Ave. New York, NY 10118 (212) 564-8110 William R. Frank, President Private

QUAD Corporation 1852 Dale Avenue Highland Park, IL 60035 (312) 432-3210 Harold Rafson, President Private

# Quadra Systems 4414 Centerview, Ste 220 San Antonio, TX 78228

(512)736-4600 Barry Engelbrecht, Vice President Total Sales FYE 6/82: \$1,000,000 Computer Services Offered: 
Processing Software
Products Professional Services Turnkey Systems

# Quadrex Corporation 1700 Dell Ave Campbell, CA 95008

(408)866-4510 Sherman Navmark, President Total Sales FYE 1/82: \$74,420,000

Cptr. Svcs. Revs. FYE 1/82: \$2,000,000 Est.
Computer Services Offered: • Software Products • Professional Services

# Directory of Computer Services Companies

Quadstar Corporation 14951 Dallas Parkway Dallas, TX 75240 (214)980-9601 Jack Chang, President

Total Sales FYE 6/82: \$2,500,000 Computer Services Offered: • Processing • Professional

#### Quality Educational Development See: Automated Business Systems Inc.

Quality Information Center Inc

# 1374 Richmond Rd.

Staten Island, NY 10305 (212) 987-0893

# Quality Stationers & Printers, Inc.

Alsop, IL 60653 (312) 821-1600 Richard Strand, President Private

# Ouanex-NCI, Inc.

Merged with: Pansophic Systems

#### **Ouanta Corporation**

DIVISIONS:

### Quanta Data Processing Inc.

3229 Carondelet St. New Orleans, LA 70115 (504) 891-2808 Michael A. Berenson, President

#### Ouanta Data Processing Inc.

See: Quanta Corporation

#### QuanTeckna Research Corp

6902 220th SW Mountlake Terrace, WA 98043 (206)771-2488 Joseph E Rehfeld, President Total Sales FYE 8/82: \$400,000 Est. Computer Services Offered: • Software Products

## Quantitative Software Management, Inc. 1057 Waverly Way McLean, VA 22101

(703) 790-0055 Lawrence H. Putnam, President Total Sales FYE 6/81: \$450,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### **Quantum Computer Services**

300 Park Ave. South New York, NY 10010 (212) 254-9700 Paul E. McArdle, President Private

### Quantum Research

28200 Ridgefern Ct Rancho Palos Verdes, CA 90274 (213)541-4433

Computer Services Offered: • Turnkey Systems

### Quark Engineering 1433 Williams, Ste 1102

Denver, CO 80218 (303) 399-1096 Computer Services Offered: • Software Products

## Ouasar Systems Inc.

See: Quasar Systems Ltd.

### Ouasar Systems Ltd.

SUBSIDIARIES:

#### Ouasar Systems Inc.

20370 Town Center Ln., Ste 150 Cupertino, CA 95014 (408)725-1282 John A. Damn, Jr., President Private

#### Quest, Inc.

30 Professional Center Pkwy. Suite B San Rafael, CA 94903 (415) 479-0600 Darrel Ticchurst, President Private Total Sales FYE 12/81: \$700,000 Est. Computer Services Offered: • Software Products

# **Ouestrion Research**

# See: Kalb Voorhis

#### Ouic-N-Easi Products, Inc. 136 Granite Hill Court

Langhorne, PA 19047 (215) 968-5966 R. W. Roth, President Private

Computer Services Offered: • Software Products

# Ouick-Tax Ltd

319 Clawson St New York, NY 10306

Computer Services Offered: • Software Products

#### **Quill-Tronic Systems** 3060 Main St Stratford, CT 06497

(203) 375-9218 Lawrence G. Mooney, President Private

#### **Ouodata Corporation** 196 Trumbull Street

Hartford, CT 06103 (203) 728-6777 Myron E. Congdon, President

Ouo-RTC

# Directory of Computer Services Companies

### Ouotron Systems Inc.

5454 Beethoven Los Angeles, CA 90066 (213) 827-4600 Milton E. Mohr, President Public

Total Sales FYE 12/82: \$120,918,000 Cptr. Svcs. Revs. FYE 12/82: \$110,436,000 Computer Services Offered: • Processing • Professional

#### Quotron Systems Inc. & Continental Corporation

#### SUBSIDIARIES:

Insurnet, Inc

1900 Powell St Emeryville, CA 94608 (415)652-3771 John Stevens, President

#### R. A. Consulting Group 11659 Arminta

N. Hollywood, CA 91605 (213) 764-0442 Richard E. Stowe, President

#### R.A.I.R. 465 Castro Street

Mountain View, CA 94041 (415) 964-0413 Jerry Sechof, President Total Sales FYE 2/81: \$1,000,000 Est. Computer Services Offered: • Processing • Turnkey Systems

R.D.P Computer Services

Name changed to: Sweetbriar Information Systems

# R&B Computer Systems See: DIMIS, Inc.

# R&L Datacenters Inc.

P O Box 1, 44 Main St Bloomsbury, NJ 08804 (201) 479-4171 Robert A. Angell, President

RAC Information Systems
11 Middle Neck Rd.
Great Neck, NY 11022 (212) 355-1979

#### RAI Business Systems Inc

130 Route 22 North Plainfield, NJ 07060 (201) 561-9100 James Remo, President

# RCO Corp 601 San Pedro

Albuquerque, NM 87198 (505)266-5811 Computer Services Offered: • Software Products

RDA, Inc.

RD Labs Inc.

1010 Hurley Wy

(916)927-2287

Sacramento, CA 95825

5012 Herzel Pl. Beltsville, MD 20705 (301) 937-2215 W. Ronald Davies, Chairman

### RJE Data Processing Business Systems

Computer Services Offered: • Software Products

4738 West Peterson Chicago, IL 60646 (312) 286-0441

#### RKI Databank 180 Grand Avenue

Oakland, CA 94612 (415) 839-5401 Richard D. Lee, Partner Total Sales FYE 7/83: \$1,500,000 Est. Computer Services Offered: • Processing

## RLG Corporation

See: Computer Consoles, Inc.

#### RMC Research

See: Wilson Management Systems and Technology Group

## RNAA Software Systems

2610 50th Street Lubbock, TX 79413 (806) 792-4703

#### RNB Computer Services Inc.

141 East Market Street Harrisonburg, VA 22801 (703) 434-9966 C. Sheldon Layman, President

3456 Camino Del Rio North San Diego, CA 92108 (619) 280-8100 Total Sales FYE 6/82: \$5,000,000 Computer Services Offered: • Turnkey Systems

# ROI Consulting Inc.

See: Teknekron Industries

#### RTC Systems, Inc

55 Plain St North Attlebor, MA 02760 (617) 695-5008

Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### RTR Software

444 Executive Center Suite 225 El Paso, TX 79902 (915)544-4397

Clay Burch, President Private

Total Sales FYE 4/83: \$1,500,000 Est. Computer Services Offered: • Software Products

### RWB Associates

5112 River Avenue Newport Beach, CA 92663 (714) 631-2683 Robert W. Blackman, President

Total Sales FYE 3/81; \$1,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Racal-Redac, Inc.

One Redac Way Littleton, MA 01640 (617) 692-4900 H. Gene Marsh, President Computer Services Offered: • Turnkey Systems

#### Radian Corporation

8500 Shoal Creek Blvd. Austin, TX 78766 (512) 454-4797

#### Radio Computing Services Inc.

See: Systems and Programming International Inc.

# Radix Systems Corp.

675 Massachusetts Ave. Cambridge, MA 02139 (627) 354-4015 John LeTowt, President

# Ram Business Systems

7 Earle Gables Court Mount Penn, PA 19606 (215) 779-7940

### Ramtek Corporation

2211 Lawson Lane Santa Clara, CA 95050 (408) 988-2211

#### RANAC Computer Corp.

177 W Carmel Dr. Carmel, IN 46032 (317) 844-0141 Peter G. Fruehman, President

### Rand Computation Center

1700 Main Street Santa Monica, CA 90406 (213) 393-0411 Jerry Koory, President

#### Rand Information Systems, Inc.

98 Battery Street San Francisco, CA 94111 (415) 392-2500 E. Donald Shapiro, Chairman Public

Total Sales FYE 2/83: \$14,164,000 Cptr. Svcs. Revs. FYE 2/83: \$13,550,000 Computer Services Offered: • Processing • Professional

## Rand McNally

DIVISIONS:

# Transportation Data Management

8255 North Central Park Skokic, IL 60076 (312) 673-9100 Computer Services Offered: • Processing • Software Products

Rand Systems Corp 5600 W Maple Rd, Ste B212 West Bloomfield, M1 48033 (313) 661-5757 Computer Services Offered: . Software Products

### Rand Travel Agency Services

480 California Av Palo Alto, CA 94305 (415) 328-6966 Computer Services Offered: • Processing

## Randco Keypunch Service

3222 Beaumont Temple Hills, MD 20748 (301)423-7989 Carol Paris, President Computer Services Offered: . Processing

# Randolph Technical Services, Inc.

P.O. Box 260 214 Main St., S. Randolph, MA 02368 (617)986-5220 Paul J. Wilezynski, President Private

Total Sales FYE 6/81: \$250,000 Est. Computer Services Offered: • Professional Services

### Rans Micro Systems, Inc

2233 Bailey Ave San Jose, CA 95128 (408)998-7118 Computer Services Offered: • Software Products

Rapid Data Inc.

215 North 5th Street Redlands, CA 92373 (714) 793-2855 M. J. Hollinger, President Private

Rapidata, Inc. See: National Data Corporation

Rapp Industries, Inc. 683 Lafayette Hawthorne, NJ 07507 (201)423-4097

# Rath & Strong Software

See: Rath & Strong, Inc.

Rath & Strong Systems Products, Inc 14901 Ouorum Drive, Ste 600

Dallas, TX 75201 (214)980-0647 Woodrow W. Chamberlain, President Computer Services Offered: . Software Products . Professional Services

Rath & Strong, Inc.

21 Worthen Road Lexington, MA 02173 (617) 861-1700 Private

SUBSIDIARIES:

Rath & Strong Software 20 Worthen Road

Lexington, MA 02173 (617) 861-1700 Arnold R. Putnam, President

Rational Data Systems (RDS)

205 East 42nd Street New York, NY 10017 (212)697-5855 Douglas R. Kaye, President

Raven Systems and Research, Inc. 500 East St. SW

Washington, DC 20024 (202) 479-2000 Raymond Mott, President Total Sales FYE 9/82; \$10,000,000 Est. Computer Services Offered: • Professional Services

Raxco Inc.

6520 Powers Ferry Rd., Ste 200 Atlanta, GA 30339 (404) 955-2553 Jacqueline Maloney, President Private

#### Raytheon Company

SUBSIDIARIES:

Seismograph Service Corp.

6200 E. 41st St Tulsa, OK 74102 (918)627-3330 Total Sales FYE 12/82; \$325,000,000 Est. Cptr. Sves. Revs. FYE 12/82: \$57,900,000 Est. Computer Services Offered: • Processing

Reader's Digest Association

SUBSIDIARIES:

Source Telecomputing Corp.

1616 Anderson Road McLean, VA 22102 (703) 734-7500 Robert V. O'Brien, President Total Sales FYE 6/81: \$4,500,000 Est.

DIVISIONS:

Reader's Digest Services

Pleasantville, NY 10570 (914) 769-7000 Computer Services Offered: • Software Products

Reader's Digest Services See: Reader's Digest Association

Ready Data Service, Inc.

Name changed to: Computer Procedure Corp.

Real Decision Corporation 123 High Ridge Rd. Stamford, CT 06905 (203) 329-2071

Real Estate Data See: Colonial Penn Insurance

Real Estate Information Tracking Systems

8430 Dixic Drive, N Dayton, OH 45414 (513)890-1830 Computer Services Offered: • Software Products • Turnkey Systems

Real Time Services

446 Pontiac St. Fort Wayne, IN 46807 (219)456-2197 Dick Presser, President Computer Services Offered: • Processing • Software Products • Professional Services

Reality Software Company 1116 8th St., Suite F

Manhattan Beach, CA 90266 (213) 372-9419 Private Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Realtron Corporation

24065 Five Mile Road Detroit, MI 48239 (313) 255-1200 Jack Jominy, President Private

Total Sales FYE 4/83: \$20,000,000 Est. Computer Services Offered: • Processing

#### REAP Inc.

31 Olympia Ave Woburn, MA 01801 (617) 935-8620 Robert Woods, President

Private Total Sales FYE 6/81: \$3,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

## Northern Consolidated Industries, Inc.

P.O. Box 364

Hanover, NH 03755 (603) 448-5000 Thomas Warren, President

#### Teledata Time Sharing

P.O. Box 364 Hanover, NH 03755 (603) 448-5000 Thomas Kelleher, President

#### REC-CHEK. Inc. P.O. Box 239

Nevada, IA 50201 (515) 382-2186 David Anderson, President

# Recognition Equipment Corp.

#### DIVISIONS:

Compata, Inc. 6150 Canoga Avenue Suite 100 Woodland Hills, CA 91364 (213) 884-5400 Ed Boutwell, General Manager

#### Record Processing Corp.

345 97th St Brooklyn, NY 11209 (212) 730-0007

#### Redshaw Inc. See: ITT

Reed Holdings

#### SUBSIDIARIES:

#### International Computaprint Corporation

475 Virginia Dr. Ft. Washington, PA 19034 (215)641-6000 Hans E. Nickel, President Total Sales FYE 3/83: \$25,000,000 Est. Computer Services Offered: . Processing Rehab Group Inc. 5203 Leesburg Pike Suite 1300 Falls Church, VA 22041 (703) 820-4900 S. K. Dhillon, President

Total Sales FYE 6/82: \$10,000,000 Est. Computer Services Offered: • Processing • Professional

#### Reiter Software Systems Inc

211 Sutter St, Ste 309 San Francisco, CA 94108 (415)956-1575

Computer Services Offered: • Software Products

## Relational Database Systems, Inc.

1208 Apollo Way,Ste 503 Sunnyvale, CA 94086 (408)746-0982 Roger J.Sippl, President Total Sales FYE 12/82: \$700,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Relational Software Inc. Name Changed To: Oracle Corporation

## Relational Systems International

PO Box 13850 Salem, OR 97309 Computer Services Offered: • Software Products

#### SUBSIDIARIES:

Pearlsoft PO Box 13850 Salem, OR 97309

(503)363-8929 William R Stow, President
Total Sales FYE 7/82: \$750,000 Est.

Computer Services Offered: • Software Products • Professional Services

Relational Technology, Inc. 2855 Telegraph Ave, Ste 515 Berkeley, CA 94705 (415)845-1700 Jon F Nackerud, President Computer Services Offered: • Software Products

#### Reliable Data Service See: National Systemmetics

Remasco Inc

10240 SW 96th Terrace Miami, FL 33176 (305)595-7046 Joseph A Duerstoek, President
Computer Services Offered: • Software Products

#### Remote Business Services Inc. 9 Bettswood Road Norwalk, CT 06851

Remote Computing Corporation See: Hale Systems, Inc.

# Renard Manufacturing

4651 Sheridan St,Ste 355 Hollywood, FL 33021

SUBSIDIARIES:

#### Compu-Systems Corporation

3131 Northwest 79th Avenue Miami, FL 33122 (305) 592-1506 A. Weiner, Chairman

#### Rendeck Corporation

See: Rendeck International N.V.

#### Rendeck International N.V.

SUBSIDIARIES:

#### Rendeck Corporation Fancuil Hall Marketplace Boston, MA 02109

(617) 367-9180 Ian Woodhouse, President Private Total Sales FYE 8/82: \$2,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Republic Airlines, Inc.

7500 Airline Dr Minncapolis, MN 55450 (612) 726-7411 Norman Renner, Director of Computer Services Computer Services Offered: • Software Products • Turnkey Systems

#### Republic Management Systems

1 Neshaminy Interplex Suite 306 Trevose, PA 19047 (215) 638-7995 David Higgins, President Private Total Sales FYE 6/82: \$5,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

#### Republic Service Bureau Inc 19110 Van Ness Avenue

Torrance, CA 90501

(213) 533-0211 Jerome Sorkin, President Computer Services Offered: • Processing

#### Republic Steel Corporation

#### DIVISIONS:

#### Republic Technology Corp Systems Division

707 Brookpark Rd Brooklyn Heights, OH 44109 (216) 622-5355 VJ Locasio, Managing Director Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Republic Technology Corp Systems Division

See: Republic Steel Corporation

#### Resource Software International, Inc.

See: Datamatics Management Services

#### Resource Systems, Inc. Merged with: STSC, Inc.

#### Response of Hawaii, Inc. 1600 Kapiolani Blvd Suite 210

Honolulu, HI 96814 (808) 947-1267 Don Raymond, President Total Sales FYE 4/81: \$300,000 Computer Services Offered: . Processing . Software Products

#### Response Technology Inc.

4064 Southwest Donovan Seattle, WA 98136 (206) 937-7845 Gary Roe, President Private

#### Retail Information Systems, Inc. See: Computer Systems Company Inc.

Retail Merchandising Service 6600 Jurupa Avenue P.O. Box 2345 Riverside, CA 92506 (714) 688-4302 Vernon J. Rossi, President

#### Reuters North America See: Reuters, Ltd.

#### Reuters, Ltd.

Private

DIVISIONS:

## Reuters North America

80 Broad Street New York, NY 10019 (212)582-4030 Glen Renfrew, Managing Director Total Sales FYE 12/82: \$32,000,000 Est. Computer Services Offered: • Processing

#### Revco Drug

# Directory of Computer Services Companies

#### SUBSIDIARIES

General Computer Corporation PO Box 304 Twinsburg, OH 44087 (216)425-3241 Richard Pilarczyk, President
Total Sales FYE 5/81: \$2,500,000 Est.
Computer Services Offered: • Software Products • Turnkey

#### Reveal Software, Inc.

6 Chelmsford Dr Muttontown, NY 11545 (516) 626-1166 Computer Services Offered: • Software Products

Revere Copper & Brass

#### DIVISIONS:

#### Revere Technology

PO Box 848 Scottsboro, AL 35768 (205)259-1460 (203)239-1400
Richard Little, President
Total Sales FVE 12/82: \$1,500,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

# Revere Technology See: Revere Copper & Brass

#### Revion Inc.

#### SUBSIDIARIES:

#### Technicon Data Systems Corporation

3255-1 Scott Blvd. Santa Clara, CA 95051 (408) 727-9400 (408) 727-9400 William H. J. Seabrook, President Total Sales FYE 12/82: \$37,000,000 Est. Cptr. Sves. Revs. FYE 12/82: \$29,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Revnolds & Revnolds Company, The 800 Germantown Street PO Box 1005

(513) 443-2000 Edwin F. Strasser, President Total Sales FYE 9/82: \$220,978,308 Cptr. Svcs. Revs. FYE 9/82: \$116,830,115 Computer Services Offered: • Processing • Turnkey

#### Systems Rhintek, Inc. Box 220

Dayton, OH 45407

Columbia, MD 21045 (301) 730-2575 Rainer F. McCown, Owner Total Sales FYE 10/82: \$1,000,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Rice Communications Inc.

569 Castle Road Colorado Springs, CO 80904 (303) 634-2545

## Richardson I. Lawrence & Associates,

2140 South Walnut Springfield, IL 62704 I. Lawrence Ricardson, President

Computer Services Offered: • Software Products

#### Rio Grande Industries

#### SUBSIDIARIES:

Computer Sharing Services Inc.
2 Tamarack Square 7535 E Hampden Ave, Ste 200
Denver, CO 80231 (303)695-1500 Jerrol A. Alkema, President Cptr. Svcs. Revs. FYE 12/82: \$28,000,000 Est. Computer Services Offered: • Processing

#### SUBSIDIARIES:

# National Integrated Software Services Inc

2 Tamarack Square 7535 E Hampden Ave,Ste 200 Denver, C0 80231 (303) 694-1694 Ron Knox, President Computer Services Offered: • Software Products • Professional Services

#### Roanco Associates 2742 Westchester Dr North

Clearwater, FL 33519 (813)796-0795 Computer Services Offered: • Software Products

#### Robertson Financial Corp.

## SUBSIDIARIES:

Dataco, Inc. 2862 E St Road Bensalem PA 19020 (800)345-6322 (800)343-0322 Robert P. Dunne, President Total Sales FYE 9/81: \$4,000,000 Est. Computer Services Offered: • Processing

ROCI, Inc. 1457 Ammons St. Lakewood, CO 80215 (303) 234-1717 Earl W. Friedman, President Private

#### Rock Corporation

#### DIVISIONS:

#### Physics International Company

2700 Merced Street San Leandro, CA 94577 (415) 357-4610 J.S. Martinez, PH.D., President

#### Rockford Research Inc See: Data Concents

## Rockie Smith Enterprises Inc. (RSE Inc.)

123 E Broadway Cushing, OK 74023 (918)225-6340

Computer Services Offered: • Processing

#### Rocky Mountain Software Systems

PO Box 3282 Walnut Creck, CA 94598 (415)625-1592

Greg Marshall, Partner Computer Services Offered: • Software Products

## Rocliff Associates, Inc.

2340 North Shore Dr. Delavan, WI 53115 (414)728-4254 Robert T. Schwartz, President

#### Rodin Corporation

DIVISIONS:

#### Rodin Industries, Inc.

PO Box 3087 Scranton, PA 18501 (717) 346-7045 Sydney H. Rodin, President

#### Rodin Industries, Inc. See: Rodin Corporation

Rogue Valley Data Processing
See: Harry & David, Inc.

#### Rolfe Associates Inc.

DIVISIONS:

Factory Systems 2264 Silas Deane Hwy. Rocky Hill, CT 06067 (203) 563-1343 John J. Donovan, President

Total Sales FYE 7/81; \$1,300,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

# Roncom Systems Inc.

Forrest Hills, NY 11375 (212)544-6705 Computer Services Offered: • Software Products

## Roshell Ivri Software Company

73 Cornwall Rd. Glen Rock, NJ 07452 (201) 444-0917 Stanley Levin, President Private

#### Ross Systems Inc. 1900 Embarcadero, Ste 208

Palo Alto, CA 94303 (415) 856-1100 Kenneth Ross, President Private Total Sales FYE 6/81: \$5,000,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Ross, Robert H. and Company Inc

22 Main Street Denver, PA 17517 (215) 267-5508 Robert H. Ross, President

Rothenberg Information Systems Inc. 444 Castro St. Mountain Bay Plaza Mountain View, CA 94041 (415)965-7380 Stephen Rothenberg, President Private Total Sales FYE 10/82: \$1,500,000 Computer Services Offered: . Turnkey Systems

#### Royal Communicating Graphics 855 Harrison

San Francisco, CA 94107 (415)546-7800 David Dodge, President

#### Royal Data Systems 235 Main Dunstable Rd. Nashua, NH 03061 (603) 889-4040

# Rubel, Andrew & Associates One Soldiers Field Park, #605 Boston, MA 02163

(617) 876-7993 Andrew Rubel, President Private

# Russell Corporation 767 St. Claire, Ste 1840 Chicago, 1L 60611 (312)337-5576

# Ryan-McFarland Corp. 609 Deep Valley Drive Rolling Hills Estate CA 90274 (213) 541-4828

Don Ryan, President Private Total Sales FYE 12/81: \$3,800,000 Computer Services Offered: • Software Products • Professional Services

#### Ryan, Donald & Associates Systems Consultants

See: Congruent Systems, Inc.

S & H Computer Systems Inc 1027 17th Avenue South Nashville, TN 37211 (615)327-3670 Total Sales FYE 7/82: \$15,000,000 Est. Computer Services Offered: • Software Products

#### S.D.I.

1700 S El Camino Real P O Box 5801

San Mateo, CA 94402 (415) 572-1200

Donald A Carman, President

Total Sales FYE 9/82: \$18,000,000 Est. Computer Services Offered: • Software Products

S.T.S. Systems, Inc.

See: Systems Technology Services, Ltd.

S-Cubed

P.O. Box 1620 La Jolla, CA 92038 (619) 453-0060 Donald Grine, President

Total Sales FYE 8/82: \$14,000,000 Est. Cptr. Sves. Revs. FYE 8/82: \$1,400,000 Est. Computer Services Offered: • Processing • Software

S-Tek Computer Services, Inc.

214 S. 13 1/2 Street Terre Haute, IN 47803 (812) 232-1385 Fred P. Rubey, President Private

SAB, Inc.

Name Changed to: Software 1040

SAI Comsystems Corp.

See: Science Applications International Corporation

SAS Institute, Inc.

Box 8000, SAS Circle Cary, NC 27511 (919) 467-8000

James H. Goodnight, President

Total Sales FYE 11/82; \$16,000,000 Est. Computer Services Offered: • Software Products

SBD Computer Services

4744 Baltimore Ave. Hyattsville, MD 20781 (301) 864-9200

John J. Starzee, President

Total Sales FYE 2/82: \$1,250,000 Computer Services Offered: • Processing • Professional

SD Transport Services, Inc

PO Box 480 Sioux Falls, SD 57101 (605) 339-3629 Computer Services Offered: • Software Products

SDA Federal Systems

See: Software Design Associates, Inc.

SDA Products, Inc.

See: Software Design Associates, Inc.

#### SDK Medical Computer Services

Corporation

850 Boylston Street Chestnut Hill, MA 02167 (617) 232-8005

S. David Kaufman, President Private

Total Sales FYE 4/81: \$4,000,000 Est. Computer Services Offered: • Processing

SDPS

30 Oser Avenue Hautauge, NY 11789 (516) 231-5656 Charles Stapleton, President

SEI Corporation

680 East Swedesford Road Wayne, PA 19087 (215) 687-1700 Alfred P. West, Jr., President

Services . Turnkey Systems

Total Sales FYE 12/82; \$39,737,000 Computer Services Offered: • Processing • Professional

SUBSIDIARIES:

TMI Systems Corporation

83 Hartwell Ave Lexington, MA 02173 (617) 861-7700 Wade Tambor, President Computer Services Offered: • Processing • Software

Products . Professional Services SEI Information Technology

450 East Ohio St Chicago, 1L 60611 (312)440-8300 T Russell Sheilds, President Private

Computer Services Offered: • Processing • Professional

SESA Inc.

See: SESA, S.A. France

SESA SA Honeywell Inc

SUBSIDIARIES:

SESA-Honeywell Communication, Inc.

487 Carlisle Dr Herndon, VA 22070 (703) 471-5493 John J Pendray, President

Computer Services Offered: . Turnkey Systems

SESA-Honeywell Communication, Inc. See: SESA SA Honeywell Inc Inc

SESA, S.A. France

#### DIVISIONS

SESA Inc. 888 Worcester Rd. Wellesley, MA 02181 (617) 742-6620 Warren Mosby, President

SGM, Inc. 8830 Interchange Drive Houston, TX 77054 (713) 666-2701 Bill McCullough, President Private Total Sales FYE 9/83; \$2,225,000

San Jose, CA 95128

Computer Services Offered: • Processing

SG2

SUBSIDIARIES:

Information Management International 1101 S. Winehester Blvd.

(408) 248-8250 Allen Guggenheim, President & Chairman Private Total Sales FYE 12/82: \$12,000,000 Est. Cptr. Svcs. Revs. FYE 12/82: \$11,400,000 Est.

Computer Services Offered: 

Processing 
Software Products . Professional Services

SUBSIDIARIES:

Automatic Industrial Applications Inc. 1101 S. Winehester Blvd

San Jose, CA 95128 (408)248-8250 Norbert D. Witt, President Computer Services Offered: • Professional Services • Turnkey Systems

Diversified Computer Applications

2525 East Bayshore Road Palo Alto, CA 94303 (415) 493-2100 Sherwin Kalt, Chairman and President

SIS Company 280 King of Prussia Rd Radnor, PA 19087 (215) 293-8000 John Ryan, President Private

Total Sales FYE 12/82: \$135,000,000 Cptr. Svcs. Revs. FYE 12/82: \$60,000,000
Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

SUBSIDIARIES:

Applied Financial Systems

155 Bovet Road San Mateo, CA 94402 (415) 574-4940 Richard E. Lucas, President Computer Services Offered: • Processing • Software Products

Catallatics, Inc. 11 Salt Creek

Hinsdale, IL 60521 (312) 920-3100 Philip Dowd, President Computer Services Offered: • Processing • Software Products . Professional Services

NMF Inc.

4822 Albemerle Rd, Stc.130 Charlotte, NC 28205 (704) 568-5180 Philip Manning, President

SJV Corporation

SUBSIDIARIES:

SJV Data Service Inc.

2020 Industrial Parkway Elkhart, IN 46514 (219) 294-6621 Richard Hershberger, President Total Sales FYE 12/81: \$3,250,000 Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

SJV Data Service Inc. See: SJV Corporation

SMC Software Systems See: Science Management Corporation

SPS Technology

SUBSIDIARIES:

Clay Bernard Systems International

(CBSI) 4239 S. 74 East Ave. Tulsa, OK 74145 (918) 664-2200 John Omlor, President

Private

SPSS, Inc. 444 N. Michigan Avc. Suite 3300 (312) 329-2400 Norman H. Nie, President

SREA Market Data Center Inc

24 West St. Josephs St. Areadia, CA 91006 (213) 445-2310 John Hicks, Executive Vice President

SRS Programming Reserve Inc.

Two Penn Plaza Suite 1500 New York, NY 10021 (212)695-0075 Thomas K Sheridan, President Total Sales FYE 9/82: \$1,080,000 Computer Services Offered: • Professional Services

# Directory of Computer Services Companies

#### SSM Microcomputer Products Inc

2190 Paragon Dr San Jose, CA 95131 (408)946-7400 Computer Services Offered: • Software Products

#### SST, Inc.

9434 North 107th St. Milwaukee, W1 53224 (414) 355-6990 Paul Leighton, President Private

#### STC Systems, Inc.

See: Storage Technology Corporation

#### STR Corporation

25A Technology Park,Ste 201 Norcross, GA 30092 (401) 458-0041 R.M. Phillips, President

7751 Carondelet, Ste 604

#### STS, Inc.

Clayton, MO 63105 (314) 725-2750 Norton L. Hoffman, President Total Sales FYE 8/81: \$400,000 Computer Services Offered: • Processing • Professional

#### STSC, Inc.

Services • Turnkey Systems See: Continental Telecom Inc.

Sachs/Freeman Associates Inc. 14300 Gallant Fox Lane Suite 214 Bowie, MD 20715 (301) 262-4400 Ernest Freeman, President Total Sales FYE 2/83: \$7,500,000 Computer Services Offered: • Professional Services

#### Saddlebrook Corporation 76 Rogers St

Cambridge, MA 02142 (617)666-8100 Private Computer Services Offered: • Turnkey Systems

#### SAFECO Corporation

SUBSIDIARIES:

#### SAFECO Title Insurance

13640 Roscoe Blvd Panarama City, CA 91409 (213)902-3342 William Little, President Total Sales FYE 12/81: \$87,609,000 Cptr. Svcs. Revs. FYE 12/81: \$3,400,000 Computer Services Offered: • Processing

#### Safecom Inc.

Safeco Plaza Scattle, WA 98185 (206) 545-5000 L.L. Mangis, President Total Sales FYE 12/82: \$17,738,000 Computer Services Offered: • Processing • Turnkey

#### SAFECO Title Insurance

See: SAFECO Corporation

#### Safecom Inc.

See: SAFECO Corporation

#### Safeguard Business Systems, Inc. 400 Maryland Drive

Fort Washington, PA 19034 (215) 641-5000 Vincent G. Gell, Chairman Total Sales FYE 12/82: \$137,052,000 Cptr. Svcs. Revs. FYE 12/82: \$19,283,000 Computer Services Offered: . Processing

#### Sage Data Inc.

Research Wy Princeton, NJ 08540 (609) 924-3000 John Torkelsen, President Private

Total Sales FYE 12/81; \$1,610,000 Est. Computer Services Offered: • Processing

## Sage Systems Inc.

5161 River Rd. Bethesda, MD 20816 (301) 986-1333 Larry G. Settle, Chairman and President Private Total Sales FYE 1/82: \$2,750,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Said Inc.

417 West Broad Street Falls Church, VA 22046 (703) 532-9190 R.O. Beach, President

#### San Francisco Systems, Inc.

110 Sutter St. San Francisco, CA 94104 (415) 982-3500 Larry Milliron, President Private

#### Santa Cruz Software Services

#### 1711 Quail Hollow Road Ben Lomond, CA 95005 (408) 438-2360 Gerand Brevier, President

Computer Services Offered: • Software Products

Sargent-Welch Scientific Co

DIVISIONS:

Densichron Division 7300 North Linder Ave

Skokie, IL 60077 (312)677-0600

Charles J. Thomas, Jr, Manager Computer Services Offered: • Turnkey Systems

Sarig Business Systems, Inc.

3701 Perkiomen Ave Reading, PA 19606 (215)779-7285

Computer Services Offered: • Software Products

Satellite Computing, Inc.

4530 Professional Circle Virginia Beach, VA 23455 (804)499-9803 Talmadge F Broughton, President

Total Sales FYE 3/82: \$2,500,000

Computer Services Offered: • Software Products

Satellite Software International(SSI)

288 West Center St Orem, UT 84057 (801)224-8554 Bruce Bastian, President

Total Sales FYE 12/81: \$850,000

Computer Services Offered: • Software Products

Saturn Software Inc.

7351 E Hinsdale Ct Englewood, CO 80112 (303)694-0214 V Jerome Nickerson, President

Computer Services Offered: • Software Products • Professional Services

Saturn Systems, Inc.

6875 Washington Ave. S Suite 218 Minneapolis, MN 55435 (612) 944-2452 Kenneth Kunstmann, President

Savings Management Computer Corporation

60 Congress Street Boston, MA 02109 (617) 423-0850 Charles Locicero, President Private

Savings Management Research

Corporation PO Box A-250 Hanover, NH 03755 (603) 448-5015 Thomas S. Warren, President Saztec

27520 Hawthorne Blvd Rolling Hills Estate CA 90274 (213)544-0337 Thomas Reed, President Private

Total Sales FYE 6/82: \$4,500,000 Computer Services Offered: • Processing • Software Products . Professional Services

Scheduling Corporation of America 2215 York Rd, Ste 414 Rm. 150, Corporate Center

Chicago, IL 60521 (312)323-0444 George Stout, President Private Total Sales FYE 6/82: \$7,000,000 Computer Services Offered: • Professional Services

Schlumberger Ltd

SUBSIDIARIES:

Schlumberger Technology Corp

SUBSIDIARIES:

Applicon Inc.

32 Second Ave. Burlington, MA 01803 (617) 272-7070 Donald L. Feddersen, President Total Sales FYE 12/82: \$95,000,000 Est. Computer Services Offered: • Turnkey Systems

Manufacturing Data Systems, Inc. 4251 Plymouth Road P.O. Box 986 Ann Arbor, MI 48105 (313) 995-6000 Richard A. Mohrman, General Manager Total Sales FYE 12/82: \$54,500,000 Cptr. Svcs. Revs. FYE 12/82: \$51,263,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

Schlumberger Technology Corp See: Schlumberger Ltd

Schrager Klemens And Krueger

10400 W. Higgins Rd. Suite 616 Rosemont, IL 60018 (312) 825-5150 Barry Schrager, President

Schulstad, Myers & Associates Inc

4010 DuPont Circle Louisville, KY 40207 (502)896-2479 Eugene Schulstad, President Private

Total Sales FYE 2/83; \$1,200,000 Computer Services Offered: • Software Products • Turnkey Systems

Schultz Instruments Inc. Name changed to: Utah Scientific

#### Sci-Pro Inc.

8505 E. Orchard Road Suite 106 Englewood, CO 80111 (303) 741-3333

#### Sci-Tek Associates, Inc. See: Anacomp, Inc.

#### Science Applications International Corporation

SUBSIDIARIES:

#### Science Applications, Inc.

1200 Prospect Street La Jolla, CA 92038 (619) 454-3811 J.R. Beyster, President

Total Sales FYE 1/83: \$290,000,000 Cptr. Sves. Revs. FYE 1/83: \$49,000,000 Computer Services Offered: • Professional Services

SUBSIDIARIES:

#### JRB Associates, Inc.

1200 Prospect Street La Jolla CA 92037 (714) 454-3811

#### SAI Comsystems Corp.

2801 Camino Del Rio South San Diego, CA 92108 (714) 293-7500

# Science Applications, Inc.

See: Science Applications International Corporation

# Science Dynamics Corporation

2140 W. 190th St Torrance, CA 90504 (213) 320-1101 Santo P. Panzarella, President Total Sales FYE 1/82: \$18,000,000 Computer Services Offered: • Processing • Turnkey Systems

#### Science Management Corporation 1011 Route 22 P.O. Box 6800

Bridgewater, NJ 08807

(201) 685-9000 James A. Skidmore, Jr., President Public Total Sales FYE 12/82: \$46,466,000 Cptr. Sves. Revs. FYE 12/82: \$17,300,000 Computer Services Offered: • Processing • Software Products • Professional Services

DIVISIONS:

# SMC Software Systems 1011 Route 22 P.O. Box 6800 Bridge Water, NJ 08807

(201) 685-9000 Raymond D. Novak, President

Computer Services Offered: • Software Products

#### Scientific Calculations

Waltham, MA 02154 (617) 890-8760 Private Total Sales FYE 12/82: \$21,000,000 Computer Services Offered: • Professional Services • Turnkey Systems

# Scientific Computer Applications, Inc. 808 Wricht Bldg, 3rd & Cheyenne Tulsa, OK 74103 (918) 584-6197

Scientific Computers Inc.

10101 Bren Road East Minnetonka, MN 55343 (612) 933-4200 Richard A. Walter, President

Total Sales FYE 6/83: \$13,260,877 Cptr. Svcs. Revs. FYE 6/83: \$12,800,000 Est. Computer Services Offered: • Processing

SUBSIDIARIES:

Ketabular Processing Company 4114 N. 27th Avenue Phoenix, AZ 85017 (602) 265-0572

# Scientific Information Retrieval, Inc.

820 Davis St, Ste 400 PO Box 1404 Evanston, IL 60201 (312) 475-2314 Eli Cohen, President Private

Total Sales FYE 12/81: \$750,000 Est.

Computer Services Offered: • Software Products • Turnkey

# Scientific Process & Research 400 Cleveland Ave. P.O. Box 1268 Highland Park, NJ 08904 (201) 846-3477

Imrich Klein, PH.D., President Private

#### Scientific Software Corporation Merged with Intercomp. Now: Scientific Software-

Intercomp (SSI)

#### Scientific Software-Intercomp (SSI) 1801 California Street 4th flo

Denver CO 80202 (303) 292-1111 R. C. McFarlane, President Public Total Sales FYE 12/82: \$17,494,000 Cptr. Svcs. Revs. FYE 12/82: \$16,814,000
Computer Services Offered: • Processing • Software Products . Professional Services

#### Scribe Data Systems Inc.

210 Lincoln Street Boston, MA 02111 (617) 482-4866

#### Scripps Data Systems, Inc.

9747 Businesspark Ave Suite 202G San Diego, CA 92131 (714)695-1540 Computer Services Offered: • Software Products

#### Scully Data Systems

See: Scully Signal

#### Scully Signal

DIVISIONS:

#### Scully Data Systems

Northern Industrial Park Wilmington, MA 01887 (617) 729-7510 Robert G. Scully, President Private

#### Seafirst Computer Service

See: Scattle First National Bank

#### Seattle Computer Products

1114 Industry Drive Scattle, WA 98188 (206) 575-1830

#### Seattle First National Bank

SUBSIDIARIES:

#### Seafirst Computer Service

13028 Interurban Avenue South Tuckwila, WA 98188 (206) 583-3131 Jack Olson, President

#### Securities Data

62 Williams Street New York, NY 10005 (212) 668-0940 William D. French, President Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: • Processing

#### Securities Industry Automation Corporation

See: New York and American Stock Exchanges

#### Security America Corporation

#### DIVISIONS:

NUCO Systems, Inc. Oak Brook, IL 60521 (312) 986-9014 Elwood D. Yeater, Vice President, Data Services

#### Sedalia Computer Services, Inc. P.O. Box 1488

Sedalia, MO 65301 (816) 827-1990 L.R. McRoy, President Total Sales FYE 6/81: \$546,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

Capitol City Computer Services 915 Southwest Blvd., Stc. F Jefferson City, MO 65101 (314)634-2333 L.R. McRoy, President

#### Sedlak, J.P. Associates 135 William Street

New York, NY 10038 (212) 233-8780 John P. Sedlak, President Private Total Sales FYE 5/82: \$1,600,000 Computer Services Offered: • Processing • Software Products

#### Sedlitz Enterprises, Inc.

8750 Georgia Avc. Suite 122E Silver Spring, MD 20910 (301) 585-5456 Bert Sedlitz, President Private

#### Seis Pros, Inc.

16850 Park Row PO Box 218001 Houston, TX 77218 (713) 492-0028 Computer Services Offered: • Processing • Professional

# Seiscom Delta, Inc. P.O. Box 36928 7636 Harwin Houston, TX 77036

(713) 789-6020 D. Gale Reese, President Public Total Sales FYE 9/82: \$168,801,000 Cptr. Svcs. Revs. FYE 9/82: \$35,000,000 Est.

Computer Services Offered: • Processing • Turnkey

#### Seisdata Services, Inc 333 North Belt East Suite 900

Houston, TX 77060 (713)931-7661 Raymond W. Cawlson, Jr., President Public Total Sales FYE 12/82: \$6,989,000

Cptr. Svcs. Revs. FYE 12/82: \$1,169,000 Computer Services Offered: • Processing

# — Directory of Computer Services Companies

#### Seismic & Digital Concepts Inc

8582 Katy Fwy, Ste 100 Houston, TX 77024 (713)932-0400

F. M. Gardiner, President Computer Services Offered: • Processing

#### Seismic International Research Corp

1531 Stout, Ste 310 Denver, CO 80202 Stan D Brasel

Computer Services Offered: • Processing

#### Seismic Processors, Inc.

333 North Belt East, Ste 950 Houston, TX 77060 (713)820-3016

Phillip I. Martin, President Computer Services Offered: . Processing

#### Seismograph Service Corp.

See: Raythcon Company

#### Selanar Corp

437-A Aldo Ave Santa Clara, CA 95050 (408)727-2811

Computer Services Offered: • Software Products

#### Selva Systems Inc.

167 Worcester St. Wellesey, MA 02181 (617) 431-7576

Alan R. Pearlman, President Computer Services Offered: • Software Products

#### Sensible Software

See: Harper & Row Publishers Inc.

#### Sentinel Computer

9902 Carver Road Cincinnati, OH 45242 (513) 984-6622

Daniel John Jaanes, President Private

Total Sales FYE 12/82: \$3,629,000 Est. Computer Services Offered: • Turnkey Systems

#### Sentry Data Inc 1699 Wall St

Mount Prospect, IL 60056 (312)952-0500 Jerald R Mathys, President

Public

Total Sales FYE 12/82: \$900,000 Computer Services Offered: • Turnkey Systems

#### Sercon Corporation

4611 North Lindhurst Dallas, TX 75229 (214) 691-3020 William Simpson, President

Computer Services Offered: • Software Products

SERENA Consulting P.9. Box 5574 San Mateo, CA 94402 (415) 349-0900

Doug Troxel, President Total Sales FYE 1/83: \$310,000 Computer Services Offered: • Software Products • Professional Services

Serendipity Systems 225 Elmira Rd Ithica, NY 14850 (607)277-4889

Computer Services Offered: • Software Products

## Service Data Processing

2301 N W Thurman Portland, OR 97210 (503) 224-8168

#### Service Software Inc.

See: Value Computing, Inc.

#### Shaes & Co 405 North Wabash

Chicago, IL 60611 (312)467-1000

Computer Services Offered: • Software Products

#### Shaker Computer and Management Services

Products

990 River View Rd Schenectady, NY 12309 (518) 785-0978 Richard L. Werner, President

Private Total Sales FYE 5/82; \$1,000,000 Computer Services Offered: • Processing • Software

#### Shales & Young Information Systems,

405 North Wabash Ave Chicago, IL 60611 (312)645-0808 Michael S Young, President

Computer Services Offered: • Software Products

#### Share Computer System, Inc. 8009 NW 36th Street

Miami, FL 33166 (305) 592-6224

Colin Armstrong, VP and General Manager

#### Shared Medical Systems Corporation

51 Valley Stream Parkway PO Box 675 Malvern, PA 19355 (215) 296-6300

R. James Macaleer, CEO Public

Total Sales FYE 12/82; \$165,772,000 Computer Services Offered: • Processing • Turnkey Systems

#### Shared Resources

4400 Spring Valley Rd. Dallas, TX 75234 (214)233-7645

#### Sharp, I.P. Associates Ltd 2 First Canadian Place Suite 1900

Toronto, ON M5X1E (416) 364-5361 Ian Sharp, President

Private Total Sales FYE 12/82: \$42,600,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

Shasta General Systems

Acquired/Merged with: Zentec Corporation, Inc.

Shaw Data Services, Inc.

122 E. 42nd Street Suite 2307-8 New York, NY 10168 (212) 682-8877 William Burnett, President Total Sales FYF 6/82: \$6,500,000 Est.

Computer Services Offered: • Processing Shaw Systems Associates Inc

6620 Harwin, Suite 300 Houston, TX 77036 (713) 782-7730 Roy Shaw, President Private

#### Shawinigan Engineering Company

SUBSIDIARIES:

Construction Industry Computer

620 Dorchester Blvd. West Montreal, OU H3B1N (514) 866-4677 A.N. Davis, Vice President

Shawmut Bank of Boston, NA Computer Services Dept.

One Federal Street Boston, MA 02110 (617) 292-2000 William S. Craig, President

Shear Development Corporation

75 Federal St. Suite 614 Boston, MA 02110 (617) 426-3404 Robert Shear, President Private

Shirley Software Systems 1936 Huntington Dr.

South Pasadena, CA 91030 (213) 441-5121 Walter W. Shirley, President

Total Sales FYE 12/82: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products

Shriver, R., Associates 1259 Rt. 46, Building 2 Parsippany, NJ 07054 (201) 335-7800 Richard H. Shriver, President

Total Sales FYE 12/82: \$2,500,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

Shuford Data Services See: Shuford Mills

Shuford Mills

DIVISIONS:

Shuford Data Services

P.O. Box Drawer 2228 Hickory, NC 28601 (704) 328-2131 Henry L. Schmulling, Division Manager

Sider, Joseph & Associates, Inc. 15713 Varden Street

Encino, CA 91436 (213) 784-6722

Siegel Software Services

Santa Clara, CA 95050 (408) 496-6400 John Siegel, President Private

Sierra On-Line, Inc. Sierra On-Line Bldg.

Coarsegold, CA 93614 (209) 683-6858 Ken Williams, President

Total Sales FYE 3/83: \$12,000,000 Est. Computer Services Offered: . Software Products

Sierra Systems Consultants, Inc.

649 Mission street San Francisco, CA 94105 (415) 543-6673

Sigma Research Associates

P.O. Box 9291 San Diego, CA 92109 (714) 459-2743 Robert R. Trippi, Ph.D. Director Private

Sigma Software, Inc. 248 Columbia Turnpike

Florham Park, NJ 07932 (201)966-1633 Adelaide H Warren, President

Total Sales FYE 12/82: \$4,000,000 Computer Services Offered: • Software Products

# Directory of Computer Services Companies

#### Signal Technology, Inc

5951 Encina Rd. Goleta, CA 93117 (805) 683-3771 John D. Markle, President

Total Sales FYE 9/82: \$2,500,000 Computer Services Offered: • Software Products

# Silicon Valley Systems Inc. 1625 El Camino Real, Ste 4

Belmont, CA 94002 (415) 593-4344 Computer Services Offered: • Software Products

Silton Data 2407 E. 38th Los Angeles, CA 90058 (213) 585-1161 John Smart, President

SUBSIDIARIES:

Private

# Apparel Management Systems 2407 East 38th

Los Angeles, CA 90058 (213) 585-1161 Larry Wagner, President Total Sales FYE 12/82: \$5,000,000 Est. Computer Services Offered: • Processing • Turnkey

Systems SUBSIDIARIES:

#### AMS Information Inc.

1400 Sauve Quest, Suite 276 Montreal, QU H4N1C (514) 331-7932 David Haltrect, President

Simcon Inc.

See: Hadron Inc.

#### SIMPLAN Systems Inc (SSI) 300 Eastowne Dr

Chapel Hill, NC 27514 (919)493-2495 Bernd von Lintel, President Total Sales FYE 12/82: \$3,700,000 Computer Services Offered: • Software Products • Professional Services

Simple Soft Inc 480 Eagle Drive, Ste 101 Elk Grove, IL 60007 (312) 364-0752 Philip Rozansky, President

Computer Services Offered: • Software Products • Professional Services

#### Simplex Systems Service & Computer Corporation

60 Madison Ave New York, NY 10010 (212) 243-5351 J.J. Gerard, President

Simulation Sciences

1400 N. Harbor Blvd, Suite 250 Fullerton, CA 92635 (714) 879-9180 Dr. Wang, President Private

Sipos, Andrew 150 Nassau St, Stc 1630 New York, NY 10038 Andrew Sipos, President Private

Sirco Enterprises

3155 E. Big Beaver Suite 102 Troy, MI 48084 (313) 879-9752

Sistemas Inc. 910 17th Street, N.W. Washington, DC 20006

Corporation

(202)223-2724 Don Bartlett, President Private

Computer Services Offered: • Professional Services

#### Small Business Data Processing

4208 Airport Rd Cincinnati, OH 45226 (513) 871-7019 William R. Fryer, President

Private Total Sales FYE 12/81: \$575,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Small Business Information Systems Inc

21 Gibbsboro Rd Clementon, NJ 08021 (609)784-1921 Computer Services Offered: • Software Products

#### Small Business Machines, Inc.

421 7th Avenue New York, NY 10001 (212) 736-7257 Jack Cooley, President Private

#### Small Business Mangagement Systems Inc

990 Clifton Ave Clifton, NJ 07013 (201) 773-6010 Thomas Blaney, President Private Total Sales FYE 7/82: \$300,000 Est. Computer Services Offered: • Software Products

Small Business Systems Group

6 Carlisle Rd. Westford, MA 01886 (617) 692-3800 Mary Ann Driscoll, President Private

Total Sales FYE 5/81: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Small System Software P.O. Box 366

Newbury Park, CA 91320 (805) 497-6657 Tom Nussmeier, Partner

Smart, Inc 357 Main St., E. Meriden, CT 06450 (203)237-1191

James C. Spring, President Private Total Sales FYE 4/82: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

SMITES Group

See: Peat, Marwick, Mitchell, & CO

Smith Data Processing
P.O. Box 1779
Spartanburg, SC 29301
(803) 582-1216
Glen Hammett, Vice President

Smith, A. O., Corporation

DIVISIONS:

Private

Smith, A.O. Data Systems Division 8901 N. Kilder Ct. Brown Detr. WI 53209 (414) 3372-000 Alan G. Brown, Division General Manager Total Sales FPE 12/82: \$17,000,000 Cptr. Sves. Revs. FPE 12/82: \$9,800,000 Computer Services Offered: • Processing • Software

Smith, A.O. Data Systems Division

Products . Professional Services

Smith, C.D. Company 233 S. 5th Street Grand Junction, CO 81501 (303) 243-1121 Sterling Smith, President

Smith, Dennis & Gaylord
3211 Scott Blvd
Santa Clara, CA 95051
(408)727-1870
Steven Dennis, President
Private
Total Sales EVE 7/82: \$4,500,000

Total Sales FYE 7/82: \$4,500,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Smith, G.A., Inc. 1075 Comstock Santa Clara, CA 95050 (408) 247-3344 G.A. Smith, President Private Smyth Business Systems
7100 Whipple Ave. NW PO Box 8800
Canton, OH 44711
(216) 499-6392
Private
Total Safe FYE 12/81: \$7,300,000 Est.
Computer Services Offered. \* Processing \* Software

Social Systems, Inc. (SSI) 300 Eastowne Dr. Chapel Hill, NC 27514 (919) 493-2495 Thomas Mayor, President

Thomas Mayor, President
Private

Soft Pro Systems, Inc

Soft FTO Systems, Inc 4121 MacDonald Ave Richmond, CA 94805 (415)234-5440 Computer Services Offered: • Software Products

Soft-Pack Inc. 4605 Lankershim, No. 350 N. Hollywood, CA 91602 (213) 877-1153 Alan Denny, President

SoftCorp International, Inc

SofTech Microsystems Inc See: SofTech, Inc.

SofTech, Inc.
460 Totten Pond Road
Waitham, MA 02154
(617) 806-090, Jr., President
Pala Silver F. Lowe, Jr., President
Pola Sales FYE 5/83: \$35,499,000
Computer Services Offered: \* Software Products \*
Professional Services

SUBSIDIARIES:

SofTech Microsystems Inc 9494 Black Mountain San Diego, CA 92126 (714) 578-6105 John Brackett, President Computer Services Offered: • Software Products

Softlink
3255-2 Scott Blvd
Santa Clara, CA 95051
(408)988-8011
Reed Rutherford, President
Private
Computer Services Offered: • Software Products

Softmatics Corporation

44 Mall Rd
Burlington, MA 01803

(617) 273-3420
Patrick Shannon, President
Private
Computer Services Offered: • Software Products

# Directory of Computer Services Companies

Softool Corporation 340 S. Kellogg Ave. Goleta, CA 93017 (805) 964-0560 Leon Presser, President Private

#### Softsel Computer Products, Inc

546 North Oak Street Inglewood, CA 90302 (213) 412-1700 Robert Leff, President Private

Total Sales FYE 5/83: \$35,000,000 Est. Cptr. Sves. Revs. FYE 5/83: \$25,000,000 Est.

# Software & Systems Management, Inc. $_{\text{P O Box}}$ $_{7205}$

Kansas City, MO 64113 (816) 756-1111 Robert P. Wahlstedt, President

SOFTWARE '70

#### Box 3623 Anaheim, CA 92803

(714) 992-2230 Jay Rogers, President

# Software Ag of North America, Inc. 11800 Sunrise Valley Drive

Reston, VA 22091 (703) 860-5050 John Maguire, President Total Sales FYE 5/83: \$30,044,000 Cptr. Svcs. Rcvs. FYE 5/83: \$29,243,000
Computer Services Offered: • Software Products

# Software Alliance

See: Teknekron Industries

Software Alternatives 4841 Monroe St, Ste. 101B

Toledo, OH 43623 (419) 472-2122 Joseph Links, President

Total Sales FYE 6/82: \$980,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Software Arts Inc

27 Mica Lane Wellesley, MA 02181 (617) 237-4000 Robert M. Frankston, President

Total Sales FYE 12/83: \$17,000,000 Est. Computer Services Offered: . Software Products

#### Software Authority, The

1270 Oakmead Pkwy Sunnyvale, CA 94086 (408) 749-9100 David Alderman, President

Computer Services Offered: • Software Products

#### Software Clearing House, The

771 Nech Rd Cincinnati, OH 45238 (513)451-6742

William Ivers, President Private Total Sales FYE 12/82: \$5,000,000 Est. Computer Services Offered: • Software Products

## Software Connections, Inc.

1800 Wyatt Dr. Ste 17 Santa Clara, CA 95054 (408)988-3704 Buck Gee, President

Computer Services Offered: • Software Products

#### Software Consulting Services

901 Whittier Drive Allentown, PA 19103 (215) 797-9690 Martha Cichella, Partner

#### Software Corporation of America

455 Carlisle Dr Herndon, VA 22070 (703)471-1545

Computer Services Offered: • Software Products

#### Software Customizing and Development

1549 Los Angeles Ave. Ventura, CA 93004 (805) 647-3929 Bill Nunnally, Partner

#### Software Design Associates, Inc.

71 Fifth Ave New York, NY 10003 (212) 741-5200 Jay N. Goldberg, President Total Sales FYE 12/82: \$22,000,000 Computer Services Offered: • Software Products • Professional Services

SUBSIDIARIES:

#### SDA Federal Systems

7500 Greenway Ctr Drive Greenbelt, MD 20770 (301)345-6060 Richard Hampson, President Computer Services Offered: • Professional Services

#### SDA Products, Inc.

260 Madison Ave. New York, NY 10016 (212) 686-2032 Lloyd Baldwin, President

Software Design, Inc. See: S.D.J.

# Software Development and Maintenance,

134 Spring Ave P.O. Box 668

Fuquay Varina, NC 27526 (919) 552-5662 P. Eugene Truelove, President

Total Sales FYE 3/82: \$750,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Software Dimensions, Inc.

Acquired by: ASK Computer Systems, Inc. Now: ASK Micro Inc.

Software Dynamics 2111 W. Cresent Ave. Anaheim, CA 92801 (714) 635-4760

Ira Baxter, Owner

Software Engineering Associates, Inc. 23864 Hawthorne Blvd. Suite 200 Torrance, CA 9505 (213) 373-8901 Terry Dunbar, President Private

Software Factory P.O. Box 690

Valley Forge, PA 19481 (215) 783-0500 Arthur Esch, President

Software House 1105 Massachusetts Ave. Cambridge, MA 02138 (617) 661-9440 Private

Software Info Services Inc 3600 Wilshire Blvd, Stc 1510 Los Angeles, CA 90010

(213) 380-0466 Computer Services Offered: • Software Products • Professional Services

Software Information Systems See: Dealer Services Corp.

Software International Corp. See: General Electric Company

Software International Inc 1207 Bridgeway, Ste 2 Sausalito, CA 94965 (415)332-8543 Computer Services Offered: • Software Products

Software Laboratories, Inc. See: Sterling Software, Inc.

Software Maintenance and Development Systems, Inc.

P.O. Box 555 Concord, MA 01742 (617) 369-7398 Richard Harter, President

Computer Services Offered: • Software Products

Software Management Systems

84 Inverness Circle, E. Englewood, CO 80112 (303)741-3185

Dan Kummet, President

Software Module Marketing

Acquired by: Sterling Software, Inc. Now: Sterling Software Marketing.

Software Publishing Corporation

1901 Landings Dr Mt View, CA 94043 (415)962-8910 Fred Gibbons, President Private Total Sales FYE 9/82: \$4,000,000 Computer Services Offered: • Software Products

Software Pursuits, Inc.

444 Market St., Stc. 800 San Francisco, CA 94111 (415)392-7171 Laurence Salveson, President Private Total Sales FYE 9/81: \$1,700,000 Computer Services Offered: . Software Products

Software Research Associates

P.O. Box 2432 San Francisco, CA 94126 (415) 957-1441 Edward F. Miller, PH.D., President

Software Research Corp. 140 Gould Street

Needham Heights, MA 02194 (617) 449-5310 Allen Vecchio, President Total Sales FYE 3/81: \$1,250,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services

Software Resources 2020 Montrose Suite 202

Houston, TX 77005 (713) 521-0366 Private

Software Sciences, Inc.

2814 N.W. New Spring Rd. Atlanta, GA 30339 (404)433-0078

Software Services 1944 N 1575 West

\_\_ 197 \_\_

Layton, UT 84041 (801)825-8909 Jerry Pabst, President

Computer Services Offered: . Software Products

# Directory of Computer Services Companies

#### Software Services Of America Inc.

370 Essex Street P.O. Box 254 Lawrence, MA 01842 (617) 681-0802

Bertam R. Hickman, President

Total Sales FYE 7/82: \$900,000 Est. Computer Services Offered: • Software Products • Professional Services

Software Shop Systems, Inc. See: CGA Computer Associates Inc.

Software Solutions Inc.

201 N. East Street Lebannon, OH 45036 (513) 932-6667

Jay Rettig, President Private Total Sales FYE 6/81: \$600,000 Est.

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

Software Solutions, Inc. 26 Computer Drive East Albany, NY 12205

(518) 458-1860 Thomas A. Duchesneau, President

Software Store Ltd.

706 Chippewa Square Marquette, M1 49855 (906) 228-7622 Private

Software Systems Associates

4900 Leesburg Pike Alexandria, VA 22302 (703)998-0436 Ron Walker, President

Private Total Sales FYE 7/81: \$400,000 Est. Computer Services Offered: • Professional Services

Software Systems Inc 1570 North Main PO Box 31 Spanish Fork, UT 84660 (801)798-9851

Steven Hutchings, President Computer Services Offered: • Software Products

Software Systems Inc. 3015 S. 40th St. Phoenix, AZ 85040 (602)276-3401

Computer Services Offered: • Software Products

Software Techniques, Inc 5242 Katella Ave, Ste 101 Los Alamitos, CA 90720 (213)594-9405 Computer Services Offered: • Software Products •

Software Technology for Computers

Professional, Services PO Box 420 Belmont, MA 02178 (617)923-4334

Computer Services Offered: • Software Products

#### Software Works Inc.

Box 4386 Mountain View, CA 94040 (408) 736-9438 Richard Milewski, President Private

Software 1040

See: Prentice-Hall

#### Softworks, Inc. 8023 Malcolm Rd.

Clinton, MD 20735 (301) 868-4221 Private

#### Solar Data Services Ltd.

100 East Dr. Bramalea, ON L6T1B (406) 791-1786 Gordon Halbot, President

#### Solid Software Inc 7 Piedmont Center, Ste 700

Atlanta, GA 30305 (404)952-7709 Jim Reeves, Vice President Computer Services Offered: • Software Products

Solo Systems

482 Oakmead Parkway Sunnyvale, CA 94086 (408) 737-9890 Mitch Gooze, President Private

Computer Services Offered: • Turnkey Systems

#### Somerset Software and Data Processing Inc.

P.O. Box 452 Somerset, PA 15501 (814) 443-2891

#### Sophisticated Data Research, Inc. 2251 Perimeter Pk Dr, Ste 3

Atlanta, GA 30341 (404) 541-5100 Spencer B. Roane, President Private Total Sales FYE 12/82: \$2,000,000

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Sorcim Corporation

2310 Lundy Ave San Jose, CA 95131 (408) 942-1727 James Pelkey, President Private

Total Sales FYE 6/83: \$11,000,000 Est. Computer Services Offered: • Software Products

#### Sorites, Inc.

8136 Old Keene Mill Road P.O. Box 2939 Springfield, VA 22152 (202) 569-1400

John Sneed, President Private

Total Sales FYE 7/83: \$700,000 Est.

Computer Services Offered: • Software Products • Professional Services

SOTA Computer Systems
11 Grace Avenue PO Box 99
Great Neek, NY 11022 (516)487-6556 Mel Lintz, President Total Sales FYE 7/81; \$500,000 Est. Computer Services Offered: • Software Products • Professional Services

# Source Data Systems, Inc. 208 Second Ave. S.E.

Cedar Rapids, 1A 52406 (319) 366-7361 Robert Barnett, President Private

#### Source Data, Inc

500 E Morehead St PO Box 36213 Charlotte, NC 28213 (704)372-8094 Dennis A McClain, President Total Sales FYE 12/82: \$500,000 Computer Services Offered: • Professional Services • Turnkey Systems

#### Source Telecomputing Corp. See: Reader's Digest Association

Source-2

Private

3920 Freedom Circle Santa Clara, CA 95050 (408) 727-2200 Robert Soloman, President Computer Services Offered: • Processing

# South Hills Computer Center Inc. P.O. Box 10902

Pittsburgh, PA 15236 (412) 664-8200

Private Total Sales FYE 7/81: \$2,000,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

Southeast Weather Consultants, Inc. P.O. Box 20637 Atlanta Airport Branch Atlanta, GA 30320 (404) 761-6991

## Southern Computer Systems, Inc.

586 Shades Crest Road Birmingham, AL 35226 (205) 933-1659 Stephen M. Freeman, President

Private Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Southern Computing Services, Inc.

15805 Southwest 101 Ave. Miami, FL 33157 (305) 253-5005 Robert Sherin, President Total Sales FYE 9/82: \$125,000 Est.

#### Southwest Data Center See: Citicorn

#### Southwest Modular Systems, Inc.

731 Lingco, Suite 103 Richardson, TX 75080 (214) 690-6720 Mike Cunningham, President Private Total Sales FYE 2/81: \$1,500,000 Computer Services Offered: • Turnkey Systems

## Southwest Software Services Inc

3602 E Randol Mill Rd Arlington, TX 76011 (817)481-5573 Computer Services Offered: • Software Products

## Southwestern Computer Services

614 Don Gespar PO Box 2710 Sante Fe, NM 87501 (505)983-8700 Donald Fry, President Private

#### Southwestern Computing Service 1631 South Boston

Tulsa, OK 74119 (918) 587-3321 Thomas J. Bevan, President Private

#### Space Age Computation Systems

PO Box 12823 Pittsburgh, PA 15241 (412) 941-5388 Larry Hugh Brown, Owner Private

#### Space Age Computers Inc. Merged with: Compucare Inc.

#### SPAN Management Systems See: Filehris Corporation

#### Specialized Computer Services Inc.

5625 O Street, #3 Lincoln, NE 68510 (402) 489-8845 Wayne C. Walkenhorst, President

## Specialized Computer Services Inc.

P.O. Box 4645 Portland, OR 97208 (503) 248-0144 Don R. Lindsay, President Private

Private

# **CAMP 1983**

# Directory of Computer Services Companies

#### Specialty Automated Services

5531 N 13th Ave Suite 404 Phoenix, AZ 85013 Bill Lajoie, President

#### Specialty Computer Services Inc.

112 So. Second Ave P.O. Box 617 Marshalltown, 1A 50158 (515)752-6550 James D. Lewis, President

Private Total Sales FYE 6/82: \$700,000 Computer Services Offered: . Processing . Software Products . Professional Services . Turnkey Systems

#### Spectrogram Corporation

385 State Street North Haven, CT 06473 (203) 281-0121 Herbert Gram, President

#### Spectron Corporation

1517 South Harvard Tulsa, OK 74114 (918) 743-6431 M.C. Josephs, President

Total Sales FYE 9/82: \$800,000 Computer Services Offered: • Processing

#### Spectrum International Inc.

6101 W. Centinela Ave. Suite 150 Culver City, CA 90230 (213)417-5150 John D. Toellner, President

Total Sales FYE 6/82: \$2,000,000 Est. Computer Services Offered: • Professional Services

#### Sperry Corporation

1290 Avenue of the Americas New York, NY 10104 (212) 484-4444 Gerald G. Probst, Chairman Public

DIVISIONS:

#### Sperry Corporation Computer Systems PO Box 508

Blue Bell, PA 19422 (215) 542-2900 G.G. Probst, President

Cptr. Svcs. Revs. FYE 3/83; \$223,000,000 Est. Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

# Sperry Corporation Computer Systems

See: Sperry Corporation

#### Spickler Bookkeeping and Accounting

Service 2300 Fifth Avenue Rock Island, IL 61201 (309) 788-5543 Louis M. Spickler, President Private

#### Spinnaker Software Corporation

215 First Street Cambridge, MA 02142 (617) 868-4700 C. David Seuss. President

Computer Services Offered: . Software Products

#### Spiridellis & Associates, Inc.

See: CAP Gemini Sogeti

#### Sports Data Inc. 6960 Aragon Circle

Buena Park, CA 90620 (714) 994-6420 Joe Guardino, President Private

#### Spring Rock Consultants, Inc

175-11 148th Ave Jamaica, NY 11434 (212)995-4384 Richard Roller, President

Computer Services Offered: • Software Products

## Squire, Buresh Associates Inc

4 East Central, Ste 2029 Worcester, MA 01613 (617) 832-6430

Computer Services Offered: . Software Products

#### St. Joseph Bank & Trust Company-Trust Software Div.

See: St. Joseph Bank & Trust Company

#### St. Joseph Bank & Trust Company

DIVISIONS:

#### St. Joseph Bank & Trust Company-Trust Software Div.

202 S. Michigan Street South Bend, IN 46601 (219) 237-5259 Richard Rosenthal, President

#### St. Joseph Systems See: Systematics, Inc.

St. Lawrence National Bank

#### SUBSIDIARIES:

#### Northeastern Computer Service Inc. 6464 Ridings Rd. Syracuse, NY 13206

Syracuse, NY 13206 (315) 463-0200 Bob Kernon, President Public

Total Sales FYE 12/82: \$725,000 Computer Services Offered: • Processing

# Standard & Poor's Compustat Services

Inc. See: McGraw-Hill, Inc.

# Standard & Poor's Corporation See: McGraw-Hill, Inc.

# Standard Data Corp.

1540 Broadway New York, NY 10036 (212) 586-3100

#### Standard Systems, Inc.

693 Cochituate Rd. Framingham, MA 01701 (617) 872-2414 John Haughey, President Private

#### Stanford Engineering Corp.

44800 Industrial Dr Fremont, CA 94538 (415) 657-7555 Computer Services Offered: • Software Products

#### Stanley Works

DIVISIONS:

#### Vidmar, Stanley

11 Grammis Rd Allentown, PA 18103 (215)197-6600 ey, President William Devaney, President Orul Sales FYE 7/81: \$70,000,000 Est. Ceptr. Sves. Revs. FYE 7/81: \$6,300,000 Est. Computer Services Offered: • Turnkey Systems

# Star Computer Systems, Inc.

Star Inc

1201 Flower St
Bakersfield, CA 93305
(805)324-6041
Computer Services Offered: • Software Products

#### Star Software

1805 Crenshaw Blvd., Stc D
Torrance, CA 90504
(213) 538-2511
William G Webster, President
Private
Total Sales FYE 7/82: \$675,000 Est.
Computer Services Offered: • Software Products

#### Star Value Software

12218 Scribe Dr Austin, TX 78759 (512)837-5498

Leonard Yates, President

Computer Services Offered: • Software Products

#### Stat-Tab

See: Statistical Tabulation Corporation

#### State of the Art Inc

3183 A Airway Ave Costa Mesa, CA 92626 (714) 850-0111 Charles Milden, President

Computer Services Offered: • Software Products

#### State Space Systems Inc.

2091 Business Center Dr, Suite 100 Irvine, CA 92715 (714)752-945 Allen Cameron, President Private Total Sales FYE 2/83: 5600,000 Computer Services Offered: • Software Products

#### State Street Bank

SUBSIDIARIES:

#### **Boston Financial Data Services**

P.O. Box 953
Boston, MA 02103
(617) 328-5000
Manuel Goldberg, President
Computer Services Offered: • Processing

#### Station Business Systems See: Control Data Corporation

#### Statistical Financial Systems 360 North Michigan

Chicago, 1L 60601 (312)781-0002 Ralph Moore, Partner rivate

Computer Services Offered: • Processing • Professional Services

#### Statistical Graphics Corp.

P.O. Box 1558 Princeton, NJ 08540 (609) 924-9374 Grace P. Polhemus, President

Total Sales FYE 7/82: \$700,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Statistical Tabulating Corporation

2 North Riverside Plaza Chicago, IL 60606

(312) 454-8000 Michael R. Notaro, Sr., Chairman and President

Total Sales FYE 12/82; \$33,500,000 Computer Services Offered: • Processing • Professional

#### SUBSIDIARIES:

Stat-Tab

2 North Riverside Plaza Chicago, IL 60606 (312)454-8000

Michael R. Notaro, President

Stephens-Nelson Computer Center 426 East 3rd PO Box 4246

Spokane, WA 99202 (509) 624-3203 Don Nelson, President

Private Total Sales FYE 3/83: \$710,000

Cptr. Svcs. Revs. FYE 3/83: \$390,000 Computer Services Offered: • Processing

Sterling Computer Systems, Inc. See: Sterling Electronics Corporation

#### Sterling Electronics Corporation

SUBSIDIARIES:

Sterling Computer Systems, Inc. 4211 Southwest Freeway Houston, TX 77027 (713) 623-6770 Richard Hatch, President

Sterling Software Marketing See: Sterling Software, Inc.

Sterling Software, Inc. 1001 Campbell Centre 8350 N Central Expressway Dallas, TX 75206 (214) 987-6464

Sterling Williams, President Computer Services Offered: • Software Products

SUBSIDIARIES:

DYLAKOR

17418 Chatsworth St PO Box 3010 Granada Hills, CA 91344 (213)366-1781 Carole Morton, President Computer Services Offered: • Software Products

Empire Computer Software

207 H Street Cheney, WA 99004 (509) 235-6609 Dave Mathews, President Computer Services Offered: • Software Products Pacesetter Systems, Inc.

4141 Blue Lake Circle Ste 132 Dallas, TX 75234 (214) 241-1328

William Hinshaw, President Computer Services Offered: • Software Products

Software Laboratories, Inc.

1831 Commer Center East San Bennadino, CA 92408 (714) 889-0226 Jim Johnson, President

Computer Services Offered: • Software Products

Sterling Software Marketing

Crocker Bank, Penthouse 1007 7th St. Sacramento, CA 95814 (916) 441-7234 Harris A. Herman, President Computer Services Offered: • Software Products • Professional Services

Sterling Systems See: Planning Research Corporation

Stix Financial Services

1129 Francis Place St. Louis, MO 63117

Stockholder Systems Inc.

1965 N Parkplace, Ste 200 Atlanta, GA 30339 (404)952-3387 Larry A. Dean, Chairman and President

Private Total Sales FYE 3/82: \$4,700,000 Computer Services Offered: • Software Products

Stone & Webster Management

Consultants Inc. PO Box 5406 Denver, CO 80217 (303)770-7700

Stoner Associates, Inc. P.O. Box 86

Carlisle, PA 17013 (717) 243-9212 Michael Stoner, President Private

Storage Technology Corporation

SUBSIDIARIES:

STC Systems, Inc.

4 North St Waldwick, NJ 07463 (201)445-5050 Frank Biamonte, General Manager Computer Services Offered: • Turnkey Systems

#### Ultimacc Business Systems

Waldwick, NJ 07463 (201)445-5050 George Palmonis, President Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

#### Global Software

1009 Spring Forest Rd Raleigh, NC 27609 (919) 872-7800 Ronald Kupferman, President Computer Services Offered: . Software Products . Turnkey

#### Strata Search Processing Co., Inc.

211 S Cheyenne PO Box 3689 Tulsa, OK 74101 (918)584-5505 Jerry James, President Computer Services Offered: • Processing

#### Strategic Information

See: Ziff-Davis Publishing Company

# Strategic Office Systems 2300 County Center Dr. Suite 118

Santa Rosa, CA 95401 (707)526-9243 Homi Dastur & Frank Burroughs, Partners

#### Strategic Planning Associates

955 Massachusetts Ave. Cambridge, MA 02139 (617)491-9200 Private

#### Stratmar Systems, Inc.

385 Madison Ave New York, NY 10017 (212)838-1155

#### Structural Members Users Group

University Station PO Box 3958 Charlottesville, VA 22903 (804) 296-4906 Walter D. Pilkey, President Computer Services Offered: • Software Products

#### Structural Programming Inc.

See: Mitchell Systems Inc.

#### Structured Methods, Inc.

7 West 18th Street New York, NY 10011 (212) 741-7720 Mark Rosen, President Private Total Sales FYE 11/81: \$1,400,000 Computer Services Offered: • Professional Services

#### Structured Systems Group, Inc.

5208 Claremont Ave Oakland, CA 94618 (415) 547-1567 Keith Parsons, President Private Total Sales FYE 12/81: \$2,800,000 Computer Services Offered: • Software Products

# Subsystems, Inc. 1249 Birchwood Drive

Sunnyvale, CA 94086 (408) 744-0190

#### Sullins & Associates 8303 Southwest Freeway

Houston, TX 77004 (713) 988-1900 George Sullins, President

#### Summagraphics Corporation 35 Brentwood Ave. P.O. Box 781

Fairfield, CT 06430 (203) 384-1344 (203) 384-1344
Paul E. Huber, President
Total Sales FYE 5/82: \$25,000,000
Cptr. Sves. Revs. FYE 5/82: \$7,500,000 Est.
Computer Services Offered: • Turnkey Systems

Sun Country Financial Corporation See: Valley National Corporation

#### Sun Information Services Name Changed to: SIS

# Sunbelt Computer Services 9202 B Markville Dr

Dallas, TX 75243 (214)690-3114

#### Superior Data Processing Service

144 N. San Gabriel Blvd. San Gabriel, CA 91775 (213) 444-3272 Bernard Shamrock, President Private

Superior Software 111 W. Second Street Jamestown, NY 14701 (716) 664-3843

#### Superset Inc. 11035 Roselle St

San Diego, CA 92121 (714) 452-8665 lan Hirschsohn, President Private Total Sales FYE 12/81: \$1,000,000

Computer Services Offered: • Software Products

# SuperSoft Associates PO Box 1628

Champaign, IL 61820 (217)359-2112 Total Sales FYE 7/82; \$1,500,000 Est. Computer Services Offered: • Software Products

# Directory of Computer Services Companies

#### Survey Tabulation Services Inc.

1218 Massachusetts Avc. Cambridge, MA 02138 (617) 547-6475 Leonard Spar, President

Private
Total Sales FYE 11/82: \$300,000
Computer Services Offered: • Processing

#### Sweetbriar Information Systems

4620 Ironton Denver, CO 80239 (303) 373-4510 T. Crawford Love, President

#### Swiss Colony Cheese Corp.

DIVISIONS:

Private

#### Swiss Colony Data Center, Inc.

1112 7th Avenue Monroe, WI 53566 (608) 328-8600 James Bybee, Vice President

## Swiss Colony Data Center, Inc.

See: Swiss Colony Cheese Corp.

#### Sycom

PO Box 7947
Madison, WI 53707
(608)271-1133
Richard Rehberg, General Manager
Private
Total Sates FYE 12/81: \$10,000,000 Est.
Cptr. Sown Rows, FYE 12/81: \$5,000,000 Est.
Cyter. Sowners of General Processing \*Turnkey
Systems

#### Sydney Development Corporation

600-1385 W. 8th Avenue Vancouver, BC VH3V9 (604) 734-8822 T. M. Williams, President Public

Total Sales FYE 3/83: \$12,000,000

Computer Services Offered: • Software Products • Professional Services

#### Sygnetron, Inc Protection Systems Division

2103 Green Spring Dr. Timonium, MD 21093 (301)252-1454

#### Syncsort Inc.

560 Sylvan Avenue Englewood Cliffs, NJ 07632 (201) 568-9700 Aso Tavitian, President Private

Total Sales FYE 12/82: \$17,500,000 Est.

Computer Services Offered: • Software Products

Synectics Corporation 10400 Eaton Place Suite 200

Fairfax, VA 22030 (703) 385-0190 James W. Altman, PH.D., President Private

#### Synercom Technology, Inc. 10405 Corporate Drive PO Box 27

Total Sales FYE 10/83: \$14,450,000 Est.

Total Sales FYE 10/83: \$14,450,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### Synergetics Corporation

I DeAngelo Drive Bedford, MA 01730 (617) 275-0250 Alexander DeVito, President Private

Synergos, Inc. 3333 Eastside, Ste. 210 Houston, TX 77098

Houston, TX 77098 (713)528-3885 Michael S. Bodner, President Computer Services Offered: • Turnkey Systems

# Synergy Systems, Inc.

501 Fifth Avenue New York, NY 10017 (212) 697-0660 Robert Catalano, President

#### Syntel

124 Marquette Ave South Bend, IN 46617 (219)234-8779 Computer Services Offered: • Software Products

#### Sysco Inc.

50 Van Buren Avenue Westwood, NJ 07675 (201) 666-4052 Joel Quigley, President Private

#### Syscom, Inc. 10300 Sunset Dr. Ste 250

Miami, FL 33173 (305)279-2253 John Henderson, President Private Total Sales FYE 7/82: \$800,000 Est. Computer Services Offered: • Software Products

# SYSCON Corporation 1000 Thomas Jefferson Street, N.W. Washington, DC 20007

(202) 342-4000
J.J. Yglesias, President
Public
Total Sales FYE 11/82: \$71,399,000
Cptr. Sves. Revs. FYE 11/82: \$50,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

SYSGEN, Inc. 3001 Academy Dr. Suite 110 Durham, NC 27707 (919) 489-2353 J. F. Jennings, President

Sysorex International Inc.

10590 N. Tantau Ave Cupertino, CA 95014 (408) 996-9363 Abdus Salam Oureishi, Chairman and President

Systar Corporation 1762 Technology Drive Suite 208

San Jose, CA 95110 (408) 280-7066 David Retz, President Private

Systech Inc.

See: Technology Management Systems International

System Automation Corporation 8555 16th Street

Silver Spring, MD 20910 (301) 565-9400 Alfred Rubin, President Private Total Sales FYE 6/81: \$4,000,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

SUBSIDIARIES:

Telemanagement System, Inc.

980 Main St Waltham, MA 02154 (617)894-1955 Alfred Rubin, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

System Communication Corp

1721 Pech St Houston, TX 77055 (713)468-9411 H H West, President Private Total Sales FYE 4/82: \$640,000 Computer Services Offered: • Processing

System Development Corporation

See: Burroughs Corporation

System Integration Associates 81 Lancaster Ave L-13, Green Valley Center Malvern, PA 19355

(215)296-7420 Computer Services Offered: • Turnkey Systems

System Programming Resources, Inc. (SPR)

1211 W. 22nd St. Oak Brook, IL 60521 (312) 654-4188 Gene Figliulo, President System Support Software, Inc.

5230 Springboro Pike Dayton, OH 45439 (513) 435-9514 Thomas F. Kirby, President Total Sales FYE 12/82: \$1,000,000 Computer Services Offered: • Software Products

System-Kontakt, Inc.

6 Preston Court Bedford, MA 01730 (617) 275-2333 Mark P. White, President Private

Systematics, Inc. 4001 Rodney Purham Rd PO Box 7580 Little Rock, AR 72212 (501) 223-5100 Walter V. Smiley, CEO Public Total Sales FYE 5/83: \$64,398,000 Computer Services Offered: • Processing • Software Products

SUBSIDIARIES:

St. Joseph Systems PO Box 6488

South Bend, IN 46660 (219)256-5548 John C Schuster, President Computer Services Offered: • Processing • Software Products

Systemation, Inc.

Two Commerce Park Square 23200 Chagrin Blvd. Cleveland, OH 44122 (216) 464-8616 William C. Stilson, President Private Total Sales FYE 1/81: \$4,700,000 Computer Services Offered: 

Software Products 

Professional Services

Systemhouse Ltd.

99 Bank St., 3rd 1<sup>1</sup>l. Ottawa, ON K1P6B (613) 236-9734 R. M. Bryden, President Public Total Sales FYE 8/83: \$39,680,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

Systemhouse, Inc. 9900 Main Street, Ste. 401

Fairfax, VA 22031 (703) 385-0970 John Davies, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Systemhouse, Inc. See: Systemhouse Ltd.

Systemix See: Xerox Corporation

# Directory of Computer Services Companies

#### Systems & Computer Technology

Corporation Great Valley Corporate Center Four Country View Rd Malvern, PA 19355 (215) 647-5930

Frederick A. Gross, President

Total Sales FYE 9/82: \$29,487,000

Computer Services Offered: • Software Products • Professional Services

#### Systems & Software, Inc.

R.D.2, Box 51A Williston, VT 05495 (802) 863-5569 William H. Willey, President Private

# Systems and Applied Sciences Corporation 1577 Spring Hill Road Suite 600 Vienna, VA 22180 (703) 790-3700.

Porter L. Bankhead, President

Total Sales FYE 6/82: \$36,667,000 Cptr. Svcs. Revs. FYE 6/82: \$32,967,000 Computer Services Offered: • Professional Services

#### Systems and Information Dynamics Inc. 209 Haddon Avenue Haddonfield, NJ 08033

(609) 429-4809 Peter Stoveld, President Private

Total Sales FYE 12/82: \$1,000,000 Est.

Computer Services Offered: • Software Products • Professional Services

# Systems and Programming International

177 North Dean Street Englewood, NJ 07631 (201) 567-3125 Dimitri Cotomatas, President Private

#### SUBSIDIARIES:

Radio Computing Services Inc. 177 North Dean Street Englewood, NJ 07631 (201)567-3125 Andrew Economos, President

# Systems and Programming Resources Inc. 1100 Jorie Blvd. Suite 600

Oakbrook, IL 60521 (312) 654-4188 Gene Figliwlo, President

Private Total Sales FYE 9/82: \$16,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Systems and Software Inc.

1315 Butterfield Rd, Ste 230 Downers Grove, IL 60515 (312)960-1181 Y. P. Chien, General Manager Private Total Sales FYE 6/82: \$750,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Systems Architects Inc.

55 Thomas Patten Dr Randolph, MA 02368 (617)961-2700 George Pan, President

Private Total Sales FYE 2/83: \$22,000,000 Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

# Systems Associates Inc. (SAI) 412 East Boulevard PO Box 36305

Charlotte, NC 28236 (704) 333-1276 John Weil, President Private Total Sales FYE 1/83: \$12,200,000 Computer Services Offered: • Turnkey Systems

#### Systems Center, Inc., The 1320 Greenway Dr.

Irving, TX 75062 (214) 659-9318 C. Mac Lewis, President Private

Total Sales FYE 6/83: \$1,500,000 Computer Services Offered: • Software Products

Systems Control. Inc.

# See: British Petroleum

Systems Coordination Inc 109 S E Highway 19 Suncoast Plaza Crystal River, FL 32629 (904)795-6596

John Beresford, President Private Total Sales FYE 12/81: \$6,000,000 Est.

# Computer Services Offered: . Software Products Systems Data Inc.

2830 Copley Rd. P.O. Box 4297 Akron, OH 44321 (216) 666-0085 William B. Frantz, President Private

Total Sales FYE 6/81: \$510,000 Computer Services Offered: • Turnkey Systems

#### Systems Data Processing Corporation 701 Howe Avenue Suite A20

Sacramento, CA 95825 (916) 364-7372 R.W. Johnson, President Private

Total Sales FYE 1/81: \$1,300,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### SUBSIDIARIES:

#### Systems Data Processing Corporation San Jose

1150 Coleman Ave San Jose, CA 95110 (408)727-3000 William D. Brereton, President Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Systems Data Processing Corporation San

See: Systems Data Processing Corporation

Systems Design & Development

Corporation

2355 Canyon Blvd. Boulder, CO 80302 (303) 449-3634 A. Kolwicz, President

Private Total Sales FYE 12/81; \$1,100,000

Computer Services Offered: • Software Products

Systems Designs

1441 Park Ave Cranston, RI 02920 (401)943-5820 Edward Poyer, Owner Computer Services Offered: • Software Products

Systems Engineering Computer Co. See: Continental Financial Services

Systems Group, The

P.O. Box 435 Unionville, CT 06085 (203) 677-7155 Don Berry, Senior Partner

Systems Groups Associates, Inc.

PO Box 2728 Hyattsville, MD 20784 (202)347-2632 Computer Services Offered: • Processing • Professional

Systems Guild Inc.

Services

91 North State Rd. Briarcliff Manor, NY 10510 (914) 762-4040

Systems Integration, Inc. 158 Linwood Plaza

Fort Lec, NJ 07024 (201) 592-7500 Paul Guinzburg, President Private

Systems Interchange Corp.

660 N. Tamiami Trail Suite 21 Naples, Fl. 33940 (813) 262-2683

Systems Management American Corp.

1745 Jefferson Davis Hwy Suite 1010 Arlington, VA 22202 (202)920-5303

Computer Services Offered: • Processing • Professional

Systems Management Corporation 846 Main St

Norwalk, CT 06851 (203) 846-9537 G.R. Ross, President

Private

Systems Management Inc.

6300 North River Road Rosemont, IL 60018 (312) 698-4000 George M. Ridgway, President Private Total Sales FYE 6/83: \$9,451,000 Cptr. Sves. Revs. FYE 6/83: \$8,000,000 Est.

Professional Services • Turnkey Systems

Systems Network Inc. 3030 South 9th St Kalamazoo, MI 49009 (616)375-5757 David H Crenshaw, President Computer Services Offered: • Software Products

Computer Services Offered: • Software Products •

Systems Northwest, Inc.

114 S. Franklin St. Juneau, AK 99801 (907) 586-6140 Steven Boley, President Private

Systems Planning Corporation P.O. Box 7508

Dallas, TX 75209 (214) 368-3348 John Cunningham, President

Systems Plus Inc

1120 San Antonio Rd Palo Alto, CA 94303 (415) 969-7047 Richard Mehrlich, President Total Sales FYE 1/83; \$5,000,000 Est. Computer Services Offered: . Software Products

Systems Research Incorporated

2400 Science Pkwy. Okemos, MI 48864 (517) 349-0200 Alan Dale, President Private

Systems Research Laboratories 2800 Indian Ripple Road

Dayton, OH 45440 (513)426-6000 Fritz Russ, President Total Sales FYE 12/82: \$40,200,000 Cptr. Svcs. Revs. FYE 12/82: \$20,100,000 Computer Services Offered: • Professional Services

# Directory of Computer Services Companies

#### Systems Software International Inc. (SSI)

P.O. Box 160487 Miami, FL 33116 (305) 596-5458 Robert Barbara, President

#### Systems Software Technology

See: Automated Business Systems Inc.

#### Systems Solutions

5911 SE Willow Street Portland, OR 97222 (503) 652-1249

# Systems Specialists, The

4614 162nd Lane, NW Anoka, MN 55303

(612)421-0939

Computer Services Offered: • Software Products

#### Systems Specialists, The

P.O. Box 493 Madisonville, KY 42431 (502) 825-3400 K. Wayne Foster, President Private

Total Sales FYE 7/82: \$400,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Systems Strategies, Inc.

960 Ave. of the Americas New York, NY 10001 (212) 279-8400 Stan Adelman, President

# Systems Technology

Private

2939 Flowers Rd. S. Atlanta, GA 30341 (404) 455-4141 Howard Kaston, President

# Systems Technology Automated Resources

1201 Flower St Bakersfield, CA 93305 (805)324-6041

David C Rogers, President

Computer Services Offered: 
Software Products

## Systems Technology Inc.

P.O. Box 563 New Haven, CT 06503 (203) 624-7373 Robert W. Tuttle, President Private

#### Systems Technology Services, Ltd.

#### SUBSIDIARIES:

#### S.T.S. Systems, Inc.

2 Handmark Square Stamford, CT 06901 (203) 348-8055 David A. Mitchell, President

#### Systems/Software Engineering

304 Harper Dr Moorestown, NJ 08057 (609)788-0722 Computer Services Offered: • Software Products

#### Systonetics, Inc.

801 E. Chapman Ave Fullerton, CA 97631 (714)680-9010 Richard I. Tanaka, President Public Total Sales FYE 2/83: \$5,789,000 Computer Services Offered: Software Products • Turnkey

#### Systran Commercial Corp

4126 Linden Ave Dayton, OH 45432 (513)252-5601 Computer Services Offered: • Software Products

#### Systronics Inc.

381 Park Ave. South New York, NY 10016 (212) 689-8726 Irwin Bodek, President Private

# Sytech Corporation 7100 Harwin

Houston, TX 77036 (713)783-9540 Don Humphrey, President Computer Services Offered: • Processing

#### Sytek Inc.

1153 Bordeaux Drive Sunnyvale, CA 94086 (408) 734-9000

#### T & B Computing Inc.

See: Townsend and Bottum, Inc.

#### T C S Software 5582 Peachtree, Ste 207

Atlanta, GA 30362 (404) 455-6162 Richard Stafford, President Private

# TCP Data Processing Services 21-23 Terhune Avenue

Lodi, NJ 07644 (201) 778-1881 Thomas Callamori, President Private

#### TCS

2923 Hempstead Turnpike Levittown, NY 11756 (212)343-1315

#### TCS Software Inc

30 Tower Road

3209 Fondren Rd Houston, TX 77063 (713) 977-7505

Private
Total Sales FYE 7/82: \$2,500,000 Est.

Computer Services Offered: • Software Products

#### TEC

Newton, MA 92164 (617) 964-3890 S.A. Levine, President Private Total Sales FYE 12/82: \$4,000,000 Est. Computer Services Offered: • Software Products • Turnkey

#### TKS Corporation 8510 NW 56th St

8510 NW 56th St Miami, FL 33166 (305)593-0010 Computer Services Offered: • Turnkey Systems

#### TLS Company

810 First Avenue NE P. O. Box 1686 Cedar Rapids, 1A 52406 (319) 365-5211 Von L. Elbert, President Private Total Sales FYE 6/83: \$13,500,000 Computer Services Offered: • Processing

## TMI Systems Corporation

See: SEI Corporation

#### TOM (The Office Manager, Inc.) 127 S.W. 156th St. PO Box 66596

Seattle, WA 98166 (206)246-7022 Howard Bing, President Private Total Sales FYE 10/81: \$3,000,000 Est. Computer Services Offered: • Software Products

## TRW Inc.

23555 Euclid Ave. Cleveland, OH 44117 (216) 383-2121 Ruben F. Mettler, Chairman and CEO

#### DIVISIONS:

#### TRW Information Services

One City Blvd. West Suite 920
Orange, CA 92668
(714) 937-2000
Edward J. Brennan, Vice President/General Manager
Cptr. Svcs. Revs. FYE 12/82: \$79,000,000 Est.
Computer Services Offered: • Processing

# TRW Information Services

#### TSC

See: Houghton Mifflin Company

# TSI International Ltd. See: Dun and Bradstreet

#### Tab Data Systems Inc.

6400 E. Washington Blvd. Los Angeles, CA 90040 (213) 724-6922 T. MacDonald, President Private

# Tabershaw Occupational Medicine

Association

See: Control Data Corporation

#### Tabs Inc.

10620 Rockley Rd., Ste. 500 Houston, TX 77099 (713) 498-1616 Roger L. Hackman, President Private

#### Tace Resources, Inc.

SUBSIDIARIES:

## B-H Computer Systems Inc.

14 South Belmont Street York, PA 17045 (717) 843-0926 B. Leiphant, President Private

#### Tag Inc.

495 Central Park Ave
Scarsdale, NY 10583
[914)723-0800
Jerry Kaplan, President
Total Sales FYE 7/81: \$250,000 Est.
Computer Services Offered: 
\*Software Products\*

#### Tagg Associates

2909 Wilson Blvd. Arlington, VA 22201 (703) 524-8049 George White, President

# Tailored Data, Inc

4940 Viking Dr Suite 558
Minneapolis, MN 55435
(612)831-1260
David W Metzger, President
Private
Total Sales FYE 1/83: \$750,000
Computer Services Offered: • Software Products

#### Talisman Security Systems, Inc.

1935 Northwest 9th Corvallis, OR 97330 (503) 758-5415 Carl Aylen, President Computer Services Offered: • Turnkey Systems

#### Talmadge Hal & Associates

6917 Thomas Rd., E. Scottsdale, AZ 85251 (602)994-9511

# Tandem Computers Inc 19333 Vallco Parkway

Cupertino, CA 95014 (408)725-6000 James G Treybig, President Public Total Sales FYE 9/82: \$312,143,000 Cptr. Svcs. Revs. FYE 9/82: \$30,000,000 Est. Computer Services Offered: • Software Products

# Tandy Corporation One Tandy Center Ft. Worth, TX 76102

(817)390-3700 Public Total Sales FYE 6/82: \$624,000,000 Cptr. Svcs. Revs. FYE 6/82: \$53,000,000 Est. Computer Services Offered: • Software Products

# Tap Incorporated

400 Totten Pond Rd. Waltham, MA 12154 (617) 890-4444

#### Target Software, Inc. See: Comshare, Inc.

#### TASC

12 Jacob Way Reading, MA 01867 (617) 944-6850

#### TASCO

221 Pine St. San Francisco, CA 94104 (415) 421-6790 Zaki Farhat, Chairman Private

#### Taurus Software 870 Market St, Ste 815

San Francisco, CA 94102 (800)358-9999 Computer Services Offered: . Software Products

# TaxLogic P.O. Box 1420

Richardson, TX 75080 (214)238-9545 Private

# Taxx, Inc.

Metairie, LA 70002 (504)455-4481

#### Tech Products, Inc.

7700 Leesburg Pike Falls Church, VA 22043 (703)448-9025

Computer Services Offered: • Software Products

#### TechDyn Systems Corp

205 S Whiting St, Ste 400 Alexandria, VA 22304 (703)751-3373 Leo Morrison, President Computer Services Offered: • Professional Services

#### Technalysis Corporation

6700 France Avenue South Minneapolis, MN 55435 (612) 925-5900 Vic Rocchio, President Public Total Sales FYE 12/82: \$6,738,465 Computer Services Offered: . Software Products . Professional Services

#### TechnAssociates, Inc.

777 14th St. NW Washington, DC 20005 (202) 737-3322 Peter Ythier, President Private

#### Technical Advisors Inc.

4455 Fletcher Street Wayne, MI 48184 (313) 722-5010 Edwin W. Miller, President

#### Technical Analysis Corporation (TAC)

120 West Wieuca Road NE Atlanta, GA 30342 (404) 252-1045 W. W. Graham, III, President Private Total Sales FYE 2/83: \$4,500,000 Computer Services Offered: • Software Products • Turnkey Systems

#### Technical Consultants, Inc.

28215 Boulder Circle Excelstor, MN 55331 (612) 935-4236

#### Technical Economics Inc.

P.O. Box 7261 Berkeley, CA 94707 (415) 525-7774 Vera Kahn, President

#### Technical Support Associates Inc.

1280 Morena Blvd. San Diego, CA 92110 (714)276-3780 Ken Brass, President Private Total Sales FYE 7/81: \$825,000 Est. Computer Services Offered: • Software Products

# Directory of Computer Services Companies

#### Technical Systems Consultants Inc. (TSC)

111 Providence Road 1208 Kent Ave. Chapel Hill, NC 27514 (919)493-1451

David Shirk, President

Computer Services Offered: • Software Products • Professional Services

#### Technicon Data Systems Corporation

See: Revlon Inc.

## Technicon Medical Information Systems

Name changed to: Technicon Data Systems Corporation

#### Technics, Inc.

4715 Old Oaks Dr Lisle, 1L 60532 (312)355-9068

Computer Services Offered: • Software Products

#### Technology Development of California

3990 Freedom Circle Santa Clara, CA 95054 (408) 988-3030

Frank Green, President

Total Sales FYE 12/82; \$19,100,000 Computer Services Offered: • Processing • Professional

#### Technology Enterprises Inc.

P.O. Box 218 Carmel Valley, CA 93924 (408) 659-2251

#### Technology Industries

1900 Wyatt Dr., Ste 2 Santa Clara, CA 95054 (408)988-1697 John Peers, President

Computer Services Offered: • Software Products-

#### SUBSIDIARIES:

#### FORTH, Inc.

2309 Pacific Coast Hwy. Hermosa Beach, CA 90254 (213) 372-8493 Elizabeth D. Rather, President Total Sales FYE 6/81: \$1,300,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Technology Management Systems

International

#### SUBSIDIARIES:

#### Data Systems for Industry 3942 Cerritos

Los Alamitos, CA 90720 (213)493-4541 Donald G. Whipple, President

Total Sales FYE 8/81; \$2,000,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### SUBSIDIARIES:

On-Line Design Inc. 700 E. Maple Rd Suite 300 Birmingham, M1 48011 (313) 540-0040 Jerry Wysocki, President

#### Systech Inc.

6150 Joliet Rd. Countryside, 1L 60525 (312) 352-0365 David Ickow, President

Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Tekkon Computer Services

100 Jericho Quadrangle Suite 316 Jericho, NY 11753 (516) 822-8300 Charles J Wang, President Private

Total Sales FYE 8/82: \$1,200,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Teknekron Financial Systems See: Teknekron Industries

#### Teknekron Industries

#### SUBSIDIARIES:

#### ROI Consulting Inc.

2118 Milvia Berkeley, CA 94704 (415)548-8572 Emmett Burns, President Private

Total Sales FYE 3/83: \$4,000,000 Est. Computer Services Offered: • Professional Services

#### DIVISIONS:

#### Teknekron Financial Systems 2118 Milvia Street

Berkeley, CA 94704 (415) 548-8572 Emmett Burns, President Private

Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Directory of Computer Services Companies

#### Software Alliance

2100 Milvia Street Berkeley, CA 94704 (415) 548-7752 Jon Blankmeyer, President

Commuter Services Offered: • Software Products • Professional Services

Teknowledge, Inc 525 University Ave Palo Alto, CA 94301

(415)327-6600 Lee M Hecht, Chairman

Commuter Services Offered: • Professional Services

Tel-A-Data Inc.

1500 Northwest 167 Street Miami, FL 33169 (305) 625-8266 George Niver, President Private

Telaccount Inc.

See: Comtech Group International Ltd.

Teldata Systems Corporation See: Prudential Group

Tele Informatica

300 Unicorn Park Woburn, MA 01801 (617)933-8740

Tele-Fauin See: Hot Line, Inc.

Telecheck Services Inc. See: Tymshare, Inc.

Telecommunications Management Corp. See: Decision Sciences Corporation

Telecomputer Systems Inc. 200 New Stine Rd., Suite 135 Bakersfield, CA 93309 (805) 834-5611 Robert J. Garner, President

Telecomputing Corporation

Name Changed to: The Source Telecomputing Corporation

Telecredit, Inc. 1901 Avenue of the Stars

Los Angeles, CA 90067 (213) 277-4061 Lee A. Ault, III, President Public Total Sales FYE 4/83: \$61,535,000 Cptr. Svcs. Revs. FYE 4/83: \$58,629,000 Computer Services Offered: • Processing

Teledata Time Sharing

See: REAP Inc.

Teledyne Exploration Company

5825 Chimney Rock Rd PO Box 36269 Houston, TX 77036 (713)666-2561 Computer Services Offered: • Processing

Telemanagement System, Inc.

See: System Automation Corporation

Telemar Group, Inc.

90 Park Avenue New York, NY 10016 (212) 949-4640 Stanley Federman, Chairman Private

Telephone Computing Service, Inc.

See: Automatic Data Processing Inc.

Telerate, Inc. 1 World Trade Center 104th Floor

New York, NY 10048 (212) 938-5200 Neil S. Hirsh, President Total Sales FYE 9/82: \$41,600,000

Computer Services Offered: • Processing

Telesis Corp 21 Alpha Road

Chelmsford, MA 01824 (617)256-2300 Patrick de Cazaignac, President Total Sales FYE 3/83: \$5,000,000 Est. Computer Services Offered: . Turnkey Systems

Telesoft

10639 Roselle St San Diego, CA 92121 (714)457-2700 Peter Dine, President Private Total Sales FYE 7/82: \$2,900,000 Computer Services Offered: • Software Products • Turnkey Systems

Telic Services Corporation

6100 Executive Blvd. Rockville, MD 20852 (301)984-9110 Ronald Haan, President Private

Telmar Group 90 Park Avenue

New York, NY 10016 (212)949-4640 Private

Total Sales FYE 3/82: \$5,000,000

#### Telos Corporation 3420 Ocean Park Blvd

Santa Monica, CA 90405 (213) 450-2424 Lin Conger, President Private

Total Sales FYE 3/83: \$28,847,200 Cptr. Svcs. Revs. FYE 3/83: \$26,840,183 Computer Services Offered: • Software Products • Professional Services

Telstat Systems, Inc.

See: Western Union Corporation

# Temple, Barker & Sloane, Inc (TBS)

Lexington, MA 02173 (617)861-7580 Carl S SLoane, President

Private
Cptr. Svcs. Revs. FYE 7/83: \$2,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

# Tenny, George W. Co., Inc. 3721 Scottsville Road

3721 Scottsville Road Scottsville, NY 14546 (716) 889-1391 Ron Tenny, President

#### TERA Corporation 2150 Shattuck Ave

Berricley, CA, 94704 (415)845-5200 Michael Keaton, Presiden Public Total Sales FYE 6/88: 524,275,000 Cptr. Svs. Revs. FYE 6/88: 59,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Terminal Applications Group

495 Central Park Ave. Scarsdale, NY 10583 (914)723-0800 Gerald D. Kaplan, President Private

#### Terrano & Associates, Inc

203 South 84th

Systems

Lincoln, NE 68510
(402)483-4709
James A Terrano, President
Private
Total Sales FYE 7/82: \$2,500,000 Est.
Computer Services Offered: • Software Products • Turnkey

#### **Tesseract Corporation**

P. O. Box 7658, Rincon Annex San Franschoo, CA 94120 (415) 543-9320 Gary Durbin, President Private Total Sales FYE 7/82: \$3,300,000 Est. Computer Services Offered: • Processing • Software Products

## Texas Instruments Inc.

13500 North Central Expressway
Dallas, TX 75265
(214)995-2011
Mark Shepherd, Jr, Chairman of the Board
Public
Total Sales FYE 12/82: \$4,327,000,000
Cptr, Svcs, Revs. FYE 12/82: \$153,500,000 Est.
Computer Services Offered: • Processing • Software

SUBSIDIARIES:

Products

#### Geophysical Service Inc.

P.O. Box 225621 M.S. 3970 Dallas, TX 75265 (214) 995-7700 Dolan McDaniel, President

#### Texas McCan

#### SUBSIDIARIES:

ChemShare Corp 3000 S. Post Oak Rd. PO Box 1885 Houston, TX 77001 (713) 627-8945

Lawrence Lesser, President Private Total Sales FYE 4/82: \$2,000,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Texas Refinery Corporation

SUBSIDIARIES:

Private

Data Computer Center Inc. 204 Northeast 5th Street Box 789 Fort Worth, TX 76101 (817) 332-1971 Leo Curra, Vice President

# The Marmon Group

SUBSIDIARIES:

#### Trans Union Corporation

39 LaSalle Chicago, IL 60603 (312)372-9500 Cptr. Sves. Revs. FYE 12/82: \$67,000,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

New Century Freight Traffic Association

Chicago, 1L 60606 (312)236-8436

# Trans Union Credit Information Co.

444 N. Michigan Ave. Chicago, IL 60611 (312) 645-6000

# Directory of Computer Services Companies

# World Computer Corporation

30400 Telegraph Rd. Birmingham, MI 48010 (313) 645-0120

#### Thermeon Corporation

131 N. Tustin Ave. Tustin, CA 92680 (714) 835-9191 Rollo S. Pickford, President Private

#### Theta Business Systems 1110 Sonora Ave, Ste 106

Glendale, CA 91201 (213)245-0917 Larry Jones, President Computer Services Offered: • Software Products

#### Thomas National Group, The

1700 Broadway New York, NY 10019 (212) 765-8500 Thomas Berrea, Chairman

Total Sales FYE 2/83; \$11,500,000 Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

#### Erisco Inc.

1700 Broadway New York, NY 10019 (212) 247-2444 Barbara Bondy, President Computer Services Offered: • Processing • Software Products . Professional Services

#### Thomas National Transport of Australia

SUBSIDIARIES:

#### Alltrans International Group Inc.

Computer Services Offered: • Software Products •

I Harmon Plaza Secaucus, NJ 07094 (212) 736-7359 John Arwood, President

# Thomas, Laguban & Associates

Brookfield, WI 53005 (414) 784-8080 Gene Thomas, Chairman Total Sales FYE 1/82: \$3,500,000 Est.

#### Three COM Corporation

Professional Services See: 3COM Corporation

Three PM Inc. (3 PM) See: Foremost McKesson

## TICKETMASTER Corporation

6560 N. Scottsdale Rd. Suite 6100 Scottsdale, AZ 85253 (602) 998-3310 Charles Hanby, President Private

#### Ticketron, Inc.

See: Control Data Corporation

#### **Tidelands Capital Corporation**

SUBSIDIARIES:

#### Tidelands Data Systems

1900 Crestwood Blvd Birmingham, AL 35210 (205) 956-8551 Jim Smith, President Private

#### Tidelands Data Systems See: Tidelands Capital Corporation

#### TIM-Formation, Inc. 1913 Central Avenue

Albany, NY 12205 (518) 456-6211 Kenneth E. Wilcox, President Private

# Timberline Systems 10550 S.W. Allen Blvd.

Beaverton, OR 97005 (503) 643-9461 John Gorman, President Private Total Sales FYE 12/82: \$14,000,000 ' Cptr. Svcs. Revs. FYE 12/82: \$9,800,000 Computer Services Offered: • Software Products

#### Time Sharing Resources Inc.

777 Northern Blvd Great Neck, NY 11022 (516) 487-0101 Joseph F. Hughes, President Total Sales FYE 5/83: \$12,400,000 Est. Computer Services Offered: • Processing • Professional

# Services SUBSIDIARIES:

#### MegaSystems Associates

77 Northern Blvd. Great Neck, NY 10021 (212) 682-2650 Joseph Hughes, President

# Time Systems Inc

2131 Northlake Parkway Suite 111 Tucker, GA 30084 (404)483-1881 William C Bell, President Computer Services Offered: • Software Products

## Time-Sharing Systems Inc.

See: Computer Services, Inc.

# Time/Audit Ltd.

P.O. Box 403 Willowdale, ON M2N5T (416) 482-8092

#### Timeshare Associates

6150 Chevy Chase Houston, TX 77057 (713)782-7986 Henry Rachford, Partner

Henry Rachford, Partner

#### Timesharing Consultants Inc.

6420 E Broadway, Ste C300 Tucson, AZ 85710

(602)745-2060

Computer Services Offered: • Software Products

#### Timesharing Techniques Inc.

1819 S. 19th Ave Phoenix, AZ 85009 (602)252-5634

#### Timeware Inc.

530 Lytton Ave Palo Alto, CA 94301 (415)326-7780

#### Tiny Systems Inc.

660 Glerville Dr., N.
Richardson, TX 75081
(214) 699-0262
Joe M. Hollarn, President
Private
Total Sales FYE 12/82: \$300,000
Commuter Services Offered: • Software Products

Tomark, Inc.

Aquired and merged into Compuware Corporation

#### Tominy, Inc.

4221 Malsbary Rd Bldg I Cincinnati, OH 45242 (513) 984-6605 Larry Thacker, President Private Total Sales FYE 9/82: \$5,5

Total Sales FYE 9/82: \$5,500,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Tomorrow Systems, Inc

PO Box 31 Paris, TN 38242 (901)644-9140

Computer Services Offered: • Software Products

#### Tone Software Corporation

1735 South Brookhurst Street
Anaheim, CA 92804
(714) 991-9460
Jerry Slater, President
Private
Total Sales FYE 6/83: \$2,000,000 Est.
Computer Services Offered: • Software Products

#### Torstar Corp./Southam Inc.

#### SUBSIDIARIES:

#### Infomart

122 St. Patrick St. Toronto, ON M5T2X (416) 598-4000 David Carlisle, President

#### Tosc, International

1101 Post Oak Blvd., Ste. 200 Suite 1105 Houston, TX 77056 (713) 961-1201 Glen Stancil, President

# Total Environmental Systems Computer

#### Division

414 North Larch St. East Lansing, M1 48912 (\$17) 482-2500 Robert Anderson, President Private Total Sales FYE 8/82: \$1,000,000 Computer Services Offered: \* Professional Services

#### Total Systems, Inc.

28D Vernon St. Wakefield, MA 01880 (617) 246-2200 Robert W. Kadis, President

#### Total Technical Services

13405 York Road North Royalton, OH 44133 (216) 237-8363

#### Touche Ross & Company

1633 Broadway
New York, NY 10019
(212)489-1600
Private
Total Sales FYE 7/82: \$522,000,000 Est.
Cptr. Sves. Revs. FYE 7/82: \$22,000,000 Est.
Computer Services Offered: • Professional Services

#### Touchette Corporation

5701 Enterprise Pkwy. Enterprise, NY 13057 (315) 445-0291 John J. Touchette, President Private Total Sales FYE 6/82: \$3,300,000 Computer Services Offered: • Processing

# Directory of Computer Services Companies

Tower Systems, Inc. 19782 Mc Arthur Blvd, Ste 365 Irvine, CA 92715

(714) 752-8263 J. Gregory Siemon, President

Total Sales FYE 6/82: \$3,000,000 Computer Services Offered: . Software Products

#### Townsend and Bottum, Inc.

#### SUBSIDIARIES:

#### T & B Computing Inc.

1100 Eisenhower Place Ann Arbor, MI 48104 (313) 973-1900 Cecil Murray, President Total Sales FYE 12/82: \$5,400,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Trac Line Computer Corp

51 Alpha Plaza Hicksville, NY 11801 (516)935-7500 Art LeKacos, President Private

Total Sales FYE 7/82; \$1,500,000 Est. Computer Services Offered: . Software Products

#### Traffic Data Systems, Inc. (TDS, Inc.) 54 Middlesex Turnpike

Burlington, MA 01803 (617) 273-3530 Arthur E. Finger, Jr., President

Total Sales FYE 12/82: \$2,800,000 Est. Computer Services Offered: • Processing • Professional

# Trail Blazer Systems Inc. 2448 Watson Court Suite 301

Palo Alto, CA 94303 (415)858-2800 Joanne Malone, President

Private Total Sales FYE 2/82: \$1,600,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Trans Micro Systems Inc. 1731 N. First Street San Jose, CA 95112 (408) 998-7118 K.B. Wassner, President

Total Sales FYE 12/82; \$500,000 Computer Services Offered: 

Software Products 
Professional Services 
Turnkey Systems

#### Trans Union Corporation See: The Marmon Group

#### Trans Union Credit Information Co. See: The Marmon Group

Transaction Control Industries See: American Express Company

#### Transaction Data Systems

5150 Major Blvd. Suite 210 Orlando, FL 32805 (305) 351-1210 Warren Wubker, President

#### Transamerica Corp.

#### SUBSIDIARIES:

#### James, Fred S. and Company

55 Water Street New York, NY 10041 (212) 747-6600 Charles A. O'Malley, Chairman Public Computer Services Offered: . Processing . Software

Products • Professional Services • Turnkey Systems

#### Transcomm Data Systems, Inc.

See: GSI-USA Inc.

#### Translog Services, Inc. 600 N. Jackson St.

Media, PA 19063 (215) 565-6424

#### Transportation Concepts and Services

20 Highland Ave Metuchen, NJ 08840 (201)548-1200 Lester A Probst, President Private

Total Sales FYE 7/82: \$300,000 Est. Computer Services Offered: . Software Products

#### Transportation Data Management See: Rand McNally

#### Transportation Management Services 2155 South 3270 West

Salt Lake City, UT 84119 (801)973-5800 Computer Services Offered: • Processing

#### Transportation Management Systems, Inc. 230 Schilling Plaza South

Hunt Valley, MD 21031 (301)628-2200

# TRES Computer Systems, Inc.

See: Control Data Corporation

#### Tri-Star Data Systems

2 Keystone Ave. Cherry Hill Ind. Park Cherry Hill, NJ 08003 (609) 424-4700

Pete Morley, Partner

Private Total Sales FYE 12/82: \$2,400,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Tri-Tur

# CAMI 1703

# Directory of Computer Services Companies

Triad Systems Corporation 1252 Orleans Dr. P.O. Box 61779

Sunnyvale, CA 94086 (408) 734-9720 William W. Stevens, President

Public
Total Sales FYE 9/82: \$82,314,000
Computer Services Offered: • Turnkey Systems

Triangle Software Company 4043 Stevens Creek Blvd, Ste 108

San Jose, CA 95129 (408)554-8121 John E Zipp, President

Private
Total Sales FYE 4/82: \$1,100,000
Computer Services Offered: • Software Products

Tricad

1655 McCarthy Blvd. Milpitas, CA 95035 (408) 942-8800 Michael Elliot, President Private

Computer Services Offered: • Turnkey Systems

Trident Data Systems

SUBSIDIARIES:

Programatics, Inc. Inglewood, CA 90304 (213)644-9721

Computer Services Offered: • Professional Services

Trinco, Inc.
See: Trinity University

Trinity University

SUBSIDIARIES:

Trinco, Inc. 715 Stadium Dr. San Antonio, TX 78284 (512) 736-7401 Ron Calgard, President

Trionic International, Inc

SUBSIDIARIES:

Professional Data Management

2001 Hammond St Bangor, ME 04401 (207) 862-4055 Barbara Moreshead, President Computer Services Offered: \* Processing \* Professional

Triplex Computer Services, Inc.

3135 Kerner Blvd. San Rafael, CA 94101 (415) 457-6400 Sheila Martin, President Private TriStar Business Systems, Inc 50 W. Brokaw Rd, Ste 502

San Jose, CA 95110 (408)995-6155 Allen Sainsbury, President

Computer Services Offered: • Turnkey Systems

TronCorp 3809 W 95th St.

Overland Park, KS 66206 (913) 381-1155 Kathleen Murphy, President Private

Computer Services Offered: • Software Products

Tru-Check Computer Systems

6 Nursery Lane
Rye, NY 10580
(914) 472-9030
Roger Kaufman, President
Total Sales FYE 12/81: \$2,800,000 Est.
Computer Services Offered: • Processing

Trusco Data Systems
See: Trust Company of Georgia

Trust Company of Georgia

Atlanta, GA 30302 (404) 588-8497

DIVISIONS:

Trusco Data Systems P.O. Box 4418

Atlanta, GA 30302 (404) 588-8497 Robert Horten, General Manager

Trust Management Systems, Inc.
See: Comshare, Inc.

Tudor Systems 4651 Charlottepark Drive

Charlotte, NC 28210 (704) 527-6520 William Tudor, President Private Total Sales FYE 3/82: \$4,500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

Tung, C. Y.

SUBSIDIARIES:

ODS Systems, Inc. 30 Montgomery St Jersey City, NJ 07303 (212) 344-0236 Roger King, President

Turnkey Distribution Systems, Inc.

82 Cummings Park Woburn, MA 01810 (617)935-2400

Computer Services Offered: • Turnkey Systems

# — Directory of Computer Services Companies

# Turnkey Information Processing Inc

500 Fifth Ave New York, NY 10110 (212) 354-8551

Vincent J. Deschamps, President

Total Sales FYE 7/82: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Turnkey Interactive Management Systems

Meadows Office Complex Rutherford, NJ 07070 (201)933-9222

Stanley Sweitzer, President Total Sales FYE 7/81: \$1,000,000

Computer Services Offered: • Processing • Turnkey

# Turnkey Sales & Leasing, Inc. 500 Fifth Ave. New York, NY 10036

(212) 354-8551

Vincent Deschamps, President Private

# Twin City Key Punch Service

2901 Metro Dr. Minneapolis, MN 55810 (612) 854-5080

# Tylus Systems Inc.

4940 East La Palma Anaheim, CA 92807 (714)970-9321

Computer Services Offered: • Professional Services

# TYME Corp. 740 N. Plankington Ave.

Milwaukee, WI 53203 (414) 271-7905 Thomas A. Drew, President

# **Tymlabs Corporation**

211 East 7th St. Austin, TX 78701 Morgan Jones, President

Total Sales FYE 4/83: \$1,000,000 Computer Services Offered: • Software Products • Professional Services

## Tymshare Banking Systems See: Tymshare, Inc.

# Tymshare, Inc.

20705 Valley Green Drive Cupertino, CA 95014 (408) 446-6000 Thomas J. O'Rourke, Chairman and President

Total Sales FYE 12/82: \$297,025,000

Cptr. Svcs. Revs. FYE 12/82: \$211,000,000 Est.

Computer Services Offered: 

Processing 

Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

# Telecheck Services Inc.

7510 W Mississippi Ave, Ste 100 Lakewood, CO 80226 (303)934-5881 Jeffrey B. Baer, President

### DIVISIONS:

# DMI Systems, Inc.

20705 Valley Green Drive Cupertino, CA 95014 (408) 446-6000 Eddie Elassad, Division Manager Computer Services Offered: • Processing

# Tymshare Banking Systems

11 West Oxmoor Road Birmingham, AL 35209 (205) 942-6700

# U.S. Administrators

3540 Wilshire Rlvd Los Angeles, CA 90010 (213) 383-1100 Sam Kaplan, President

# U.S. National Bank Shares

## SUBSIDIARIES:

# Bankers Data Services

600 Jeffersen Bldg. Suite 715 Houston, TX 77002 (713) 659-8566 Malcolm Look, President

### U.S. Software 5470 N.W. Innisbrook Pl.

Portland, OR 97229 (503)645-5043 Private Total Sales FYE 11/82: \$1,600,000 Computer Services Offered: . Software Products . Professional Services

### U.S. Systems Corporation

1901 North Fort Myer Dr, Ste 702 Arlington, VA 22209 (703)841-1600

# U.S. Trust Co. of New York Computer

Services Division 770 Broadway New York, NY 10003

(212) 420-6392 Joel Abramowitz, Vice President

# USS Engineers and Consultants, Inc.

See: United States Steel Corporation

# Ulrich, Walter E. Consulting 2626 South Loop West, Ste 450

Houston, TX 77054 (713)666-5433

Walter Ulrich, President

Private Total Sales FYE 12/81: \$300,000 Est. Computer Services Offered: • Professional Services

Ultimacc Business Systems

See: Storage Technology Corporation

Ultradata Corporation
See: Ultradata International

Illtradata International

SUBSIDIARIES:

Ultradata Corporation

1558 B St Hayward, CA 94541 (415)881-8477 Malcolm McKellar, President

Total Sales FYE 12/81: \$500,000 Est.

Computer Services Offered: • Software Products • Turnkey

Unbounded Computing

1134 Aster Ave., Suite K Sunnyvale, CA 94086 (408) 247-6557 Alan Clute, President

UNI-COLL Corporation

See: CISI Group

Unicalc Corporation

Two Academy Lane Wayne, PA 19087 (215) 687-3485 William Peake, President

Total Sales FYE 7/83: \$1,500,000 Est. Computer Services Offered: . Software Products .

Professional Services

Unicorn Systems Company 3807 Wilshire Blvd. #1102

Los Angeles, CA 90010 (213) 380-6974 Gerald Larsen, President

Unilogic Ltd

160 North Craig Pittsburgh, PA 15213 Computer Services Offered: • Software Products

Union Data Corporation

55 Morris Avenue Springfield, NJ 07081 (201) 964-3113 William L. Yost, President Unique Automation Products

17922 Sky Park Cl. Suite L Irvine, CA 92714 (714) 549-4832 William T. Derouchey, President

Unique Information Systems, Inc. 30 N. La Salle, Ste 2900

Chicago, IL 60602 (312)346-7933 Barry Jerushalmy, Vice President

Unitab Company of Abilene

PO Box 2499 Abilene, TX 79604 (915) 673-3779 B. Jack Williams, President Private

Unitech Systems, Inc.

823 Commerce Dr, Ste 230 Oak Brook, IL 60521 (312)986-0133

Computer Services Offered: • Software Products

United Computer Service, Inc.

Williamson County Airport Rd. Marion, IL 62959 (618)997-1395 Kenneth S. Greenwalt, President Private

Total Sales FYE 12/81: \$3,600,000 Computer Services Offered: • Processing

United Education & Software Data Systems Group

15720 Ventura Boulevard Encino, CA 91436 (213) 907-6649

Aaron Cohen, President Public Total Sales FYE 1/83: \$8,626,000

Computer Services Offered: • Software Products • Turnkey Systems

United Information Services Inc

See: Control Data Corporation

United Software Associates P.O. Box 4897

Winter Park, FL 32793 (305) 671-6666 Don O. Burkhardt, President

United Software Corporation 1500 East 79th Street Minneapolis, MN 55420 (612) 854-0050

John MacGowan, President Private

United Software Systems and Services

1801 Avenue of the Stars Suite 1136 Los Angeles, CA 90067

(213)556-0664

# Directory of Computer Services Companies

# United States Computers Inc.

8815 S Taeoma Way Tacoma, WA 98499 (206) 584-7211 Robert Gerth, President Private

# United States Steel Corporation

### SUBSIDIARIES:

# USS Engineers and Consultants, Inc.

600 Grant St., Room 3313 Pittsburgh, PA 15230 (412) 391-8115 L.F. Bish, Dir, of Corporate Consulting

# United Telecommunications, Inc

PO Box 11315 Kansas City, MO 64112 (913) 676-3000 Charles W. Battey, President Public

Cptr. Sves. Revs. FYE 12/82: \$109,222,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

# Information Systems of America, Inc.

6855 Jimmy Carter Blvd. P.O. Box 47975 Atlanta, GA 30362 (404)441-8800 James H. Potter, President Computer Services Offered: • Software Products •

# Professional Services

Megatek Corporation 3985 Sorrento Valley Blvd San Diego, CA 92121 (714) 455-5590 Computer Services Offered: • Software Products • Turnkey

# Systems Univair Inc.

9024 St Charles Rock Rd St. Louis, MO 63114 (314) 426-1099 Scott Nielsen, President Private Total Sales FYE 10/82: \$1,500,000 Computer Services Offered: • Processing

### Universal Beverage Systems

P.O. Box 1015 Parsons, KS 67357 (316) 421-1381

# Universal Data Inc.

Name changed to: EDS Timesharing

# Universal Data Systems Inc.

3901 McArthur Blvd. Newport Bcach, CA 92660 (714) 752-7634 James L. Milanese, President Private

### Universal Design Systems, Inc. 7308 Madison, W.

Forest Park, IL 60130 (312)782-7800

# Universal Information Services Inc.

3229 Omni Dr Cincinnati, OH 45245 (513)752-1660

# Universal Information Systems Inc.

S-10 State Highway No. 17
Paramus, NJ 07652
(201) 845-7444
Theodore S. Kissell, President
Priviate
Total Sales FYE 6/81: \$3,000,000
Cptr. Sves. Revs. FYE 6/81: \$1,000,000
Computer Services Offered: • Processing

# Universal Services

80 Vernon Street Suite 4 Oakland, CA 94010 (415) 232-4238

### Universal Software Associates, Inc 100 Summer St. Ste 2810

Boston, MA 02110 (617)542-7755 Computer Services Offered: • Professional Services

# Universal Software Inc.

Brookfield Office Park Route 7 Brookfield, CT 06804 (203) 792-5100 David W. Kearns, President Private

# Universal Software Studios

179 W Smith St Gallatin, TN 37066 (615)452-1027 Computer Services Offered: • Software Products

### Universal Systems of America 8401 Indian Creek Parkway Suite 180 Overland Park, KS 66210

Overland Park, KS 66210 (913)642-3372 Computer Services Offered: • Processing • Software Products

### University Computing Company See: Wyly Corporation

### University Software See: Compumax, Inc.

# University Software Systems See: Agababian Associates

# Up-Time Systems, Inc 1140 NW 63rd St, Ste 200 Oklahoma City, OK 73116

Computer Services Offered: • Software Products

# Directory of Computer Services Companies

# Urban Data Processing

See: Harte Hanks Communications, Inc.

# Urban Decision Systems Inc.

P.O. Box 25953 Los Angeles, CA 90025 (213) 820-8931 Vladimir Almendinger, President

Total Sales FYE 4/82: \$3,000,000 Computer Services Offered: • Processing

### Urschel Laboratories

SUBSIDIARIES:

# Indiana Information Controls Inc.

2401 N. Calumet Valpariso, IN 46383 (219) 464-4864 Robert Espie, Executive Vice President Private

# Users, Inc.

1250 Drummers Ln. P.O. Box 297 Valley Forge, PA 19482 (215) 687-9400 John Reardon, President

Total Sales FYE 9/82: \$18,200,000 Computer Services Offered: • Processing • Turnkey

### Utah Scientific

See: Dynatech Corporation

### Utica Computer Services, Inc. (UCS) 101 First Street

Utica, NY 13501 (315) 724-6121 Barton C. Hurd, President

# Utility Computing Services, Inc.

210 Cypress West Monroe, LA 71291 (318) 388-0920 Harry Porter, President Private

Denver, CO 80203

# Uveon Computer Systems, Inc. 899 Logan St., Stc. 111

(303) 831-7000 F. William Gilmore, President Private Total Sales FYE 7/83: \$500,000 Computer Services Offered: • Software Products

## VIP Systems Corporation

314 Swann Ave Alexandria, VA 22301 (703)548-2164

# VLSI Technology, Inc.

1101 Mekay Drive San Jose, CA 95131 (408) 942-1810 (400) 942-1810
Alfred J. Stein, President
Total Sales FYE 12/82: \$21,229,000
Cptr. Sees, Revs. FYE 12/82: \$2,500,000 Est.
Computer Services Offered: • Software Products • Turnkey

VM Software, Inc 7777 Leesburg Pike P.O. Box 985 Vienna, VA 22180 (703)821-6886 R. E. Cook, President Private Total Sales FYE 12/82: \$1,800,000

Computer Services Offered: • Software Products

# VR Data Corp. 777 Henderson Blvd., N-6

Foleroft, PA 19032 (215) 461-5300

## VSE Corporation

2550 Huntington Avenue Alexandria, VA 22303 (703) 960-4600 John Toomy, President Public Total Sales FYE 12/82: \$50,630,000 Cptr. Sves. Revs. FYE 12/82: \$6,000,000 Est. Computer Services Offered: • Processing • Professional

# Valencia Computer Service

2300 Cairo Dr, E Tempe, AZ 85282 (602)894-2956 Anne Holland, President

Valid Logic Systems Inc. 650 North Mary Sunnyvale, CA 94086 (408)773-1300 Jared Anderson, Founder Computer Services Offered: • Turnkey Systems

# Valley Bank of Nevada Business Services Division

300 S. Fourth St. Las Vegas, NV 89114 (702) 386-1000 Kenneth Sullivan, President

# Valley National Corporation 241 N Central Ave

Phoenix, AZ 85004 (602)261-2900

SUBSIDIARIES:

Sun Country Financial Corporation 2922 North 34th Dr Phoenix, AZ 85017 (602)241-4306 Ray Valour, President Computer Services Offered: • Processing

# Valuation Research Corporation

# Directory of Computer Services Companies

### SUBSIDIARIES:

# American Valuation Consultants Inc.

2200 East Devon Ave. Suite 247 Des Plaines, IL 60018 (312) 297-6100 Dennis Valerio, President

# Value Computing, Inc.

498 N. King's Hwy. Cherry Hill, NJ 08034 (609) 482-2500

Vincent Joseph Bannan, President

Total Sales FYE 9/82; \$8,000,000 Est. Computer Services Offered: • Software Products • Professional Services

### SUBSIDIARIES:

# Service Software Inc. 498 N. Kings Highway Suite 224

Cherry Hill, NJ 08034 (609) 482-2550 M. Kaplan, President Total Sales FYE 9/81: \$800,000 Computer Services Offered: . Software Products . Turnkey Systems

# Value Line Incorporated

See: Bernhard, Arnold & Co., Inc.

# Vanguard Computer Systems, Inc.

18860 Lemay St Reseda, CA 91335 (213) 368-9110 Philip W. Peterson, President Private

# Vantage Computer Systems, Inc.

125 Silas Deane Hwy Wethersfield, CT 06109 (203)721-0694

Robert Maltempo, President Private

Total Sales FYE 12/82: \$10,000,000 Est. Computer Services Offered: . Software Products

Vector Graphic Inc. 31364 Via Colinas Westlake Village, CA 91361 (213) 991-2302 Lore Harp, President

### Vector Systems Inc 15700 Woodland Dr

Dearborn, M1 48120 (313)341-8537 Computer Services Offered: • Software Products

# VenturCom Inc.

139 Main St Cambridge, MA 02142 (617) 661-1230 Myron L. Zimmerman, President

Computer Services Offered: • Software Products

Versatec, Inc. 2805 Bowers Avenue

Santa Clara, CA 95051 (408) 988-2800

### Vertex Systems Inc. 998 Old Eagle School Rd. Wayne, PA 19087

(215) 687-9060 Raymond Westphal, President

Total Sales FYE 9/82: \$1,300,000 Computer Services Offered: • Professional Services

# VESOFT Consultants

506 North Plymouth Los Angeles, CA 90004 (213)464-7523 Vladimir Volokh, President Computer Services Offered: . Software Products . Professional Services

### Vetrol Data Systems Inc. 2500 13th Avenue

Vero Beach, FL 32960 (305) 562-1621 Kenneth L. Srigley, President Total Sales FYE 6/82: \$500,000 Computer Services Offered: • Processing • Turnkey

# Via Computer Inc.

7177 Construction Ct. San Diego, CA 92121 (714)578-5356

# Vicker's Associates Inc.

226 New York Avenue Huntington, NY 11743 (516) 423-7710 Michael Stollar, President

# Victorex Inc.

1529 Cypress St. Suite 103 Walnut Creek, CA 94596 (415) 943-1023 John V. Kjellman, President Private

### Vidmar, Stanley See: Stanley Works

# Viehmann Corporation

SUBSIDIARIES:

# Viehmann, Rowe Associates 274 Main St.

Reading, MA 01867 (617) 944-5787 Norman Viehmann, President

Viehmann, Rowe Associates See: Viehmann Corporation

Vining-Sparks Securities, Inc 889 Ridgelake Dr Memphis, TN 38119 (901)766-4447 James L Vining, President Private Total Sales FYE 12/81: \$7,000,000 Computer Services Offered: • Software Products

# Virginia Computer Services Inc.

705 Turner Rd Broad Run, VA 22014 (703)631-2010 Computer Services Offered: • Processing

# Virginia Data Center

Acquired and merged with Electronic Data Systems Cunadata Division

Virtual Systems, Inc. 1500 Newell Ave., Ste 406 Walnut Creek, CA 94596 (415) 935-4944 Ralph Swearingen, President Private

# VisiCorp 2895 Zanker Rd

San Jose, CA 95134 (408)946-9000 Terry Opdendyk, President Total Sales FYE 12/82: \$35,000,000 Est. Computer Services Offered: • Software Products

### SUBSIDIARIES:

### Communications Solutions Inc.

992 S. Saratoga-Sunnyvale Rd. San Jose, CA 95121 Steve Randisi, President Computer Services Offered: • Software Products • Professional Services

# Vista Computer, Inc.

85 Executive Blvd. Elmsford, NY 10523 (914) 592-8190 Donald Gross, President Private

# Vista Concepts, Inc.

11 Broadway New York, NY 10004 (212) 943-9070 Ellis Denmark, President Private Total Sales FYE 3/83: \$10,000,000 Computer Services Offered: • Software Products • Professional Services

# Vital Computer Services International, Inc.

575 Madison Avenue, 3rd Floor New York, NY 10022

(212) 838-0701 Charles Campisi, President Total Sales FYE 3/81: \$3,500,000 Est. Cptr. Svcs. Revs. FYE 3/81: \$3,150,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

# Vitro Computer Services See: Automation Industries, Inc.

# Volt Delta Resources Inc. See: Volt Information Sciences Inc.

# Volt Information Sciences Inc.

101 Park Avenue New York, NY 10178 (212) 309-0200 William Shaw, President

# SUBSIDIARIES:

## Volt Delta Resources Inc.

1133 Avenue of the Americas New York, NY 10036 (212) 764-0700 John Hunter, President Total Sales FYE 10/82: \$35,460,000 Cptr. Svcs. Revs. FYE 10/82: \$14,200,000 Est. Computer Services Offered: • Processing

## Volt Technical Corporation

500 S. Douglas Street El Segundo, CA 90245 (213) 640-1170 Computer Services Offered: • Turnkey Systems

### Volt Technical Corporation See: Volt Information Sciences Inc.

### Wachovia Corporation, The 301 North Main St

Winston-Salem, NC 27101 (919)748-5000

# DIVISIONS:

# Wachovia Services Inc.

PO Box 3001 Winston-Salem, NC 27102 (919) 748-5153 Les D. Sari, President Total Sales FYE 12/82; \$14,961,000 Computer Services Offered: • Processing

### Wachovia Services Inc.

See: Waehovia Corporation, The

# Wakefield Software Systems Inc. (WSSI)

28 D Vernon St. Wakefield, MA 01880 (617) 246-2200 Bob Kadis, President

# Walden Management Services

See: KMS Industries

# Directory of Computer Services Companies

# Walker Interactive Products

100 Mission St. - 3rd Floor San Francisco, CA 94105 (415) 495-8811 Jeffrey L. Walker, Chairman

Private Total Sales FYE 6/83: \$11,700,000 Est. Computer Services Offered: • Software Products

# Wallace Business Forms, Inc.

### DIVISIONS:

# Business Data, Inc.

2 North Riverside Chicago, 1L 60606 (312) 782-8115

Ernest Freudman, General Manager

# Walsh, Richard M., Associates Inc.

916 Oak St. Scranton, PA 18508 (717) 346-3856 Richard M. Walsh, President

# Wang Computer Services

One Industrial Ave. Lowell, MA 01851 (617) 459-5000 Ned Chang, General Manager

# Warner Associates

3300 University Dr. Suite 403 Coral Springs, FL 33065 (305) 752-7100

# Warner Computer Systems Inc.

605 Third Avenue New York, NY 10016 (212) 697-0110 Harvey Krieger, President Private

# Warner-Eddison Associates, Inc.

186 Alewife Brook Parkway Cambridge, MA 02138 (617) 661-8124 Elizabeth Eddison, President Private

# Warrington Associates Inc.

601 Second Ave. S. Hopkins, MN 55343 (612) 935-3300 Edward Warrington, President

### Washington Computer Services

3028 Silvern Lane Bellingham, WA 98226 (206)734-8248

Computer Services Offered: • Software Products

# Waters Business Systems, Inc.

47 New York Ave. Framingham, MA 01701 (617) 879-2504 James Waters, President Private Total Sales FYE 12/82: \$1,200,000 Est.

Computer Services Offered: • Software Products • Professional Services

# Watts Computer Services Inc 143 East Meadow Dr., Ste 496 Vail, C0 81657

(303)476-4116 James Watts, President Total Sales FYE 7/82; \$1,300,000 Est. Computer Services Offered: • Processing

# Wausau Insurance Co.

### SUBSIDIARIES:

# Management Systems of Wausau Inc. 2000 Westwood Dr

Wausau, WI 54401 (715)842-6941 T A Mack, President Total Sales FYE 12/82: \$19,500,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

### Wayne Computer Center Inc. See: Kemp Furniture Industries, Inc.

Weeks, Leo M. 23716 20 Mile Road Olivet, MI 49076 (616) 749-9436

Weidenhammer Systems Corp. 220 N Park Rd, Bldg 5 Wyomissing, PA 19610 (215) 378-1149 John P. Weidenhammer, President Private Total Sales FYE 12/81: \$350,000 Computer Services Offered: . Software Products . Professional Services

Weidner Communications 1673 West 820 North Provo, UT 84601 (801)375-9910 Nevil Garrett, President Private Total Sales FYE 7/82: \$5,000,000 Est.

Computer Services Offered: • Software Products • Professional Services

# Weiland Computer Group, Inc. See: Electronic Data Systems Company

# Wells Fargo & Company 475 Sansome St

San Francisco, CA 94163 (415)396-4835 Carl E Reichardt, President Public Cptr. Svcs. Revs. FYE 12/82; \$6,050,000 Est. Computer Services Offered: • Processing

# Wendall & Tralett

### SUBSIDIARIES:

# Cost Systems Engineers

8165 Freeport Parkway DFW Airport, TX 75261 (214) 257-0543 John Steck, President Total Sales FYE 7/83: \$500,000 Computer Services Offered: • Software Products

# Wengel Service Corporation

1101 State Road Princeton, NJ 08540 (609) 924-4900 Douglas Wengel, President

West Florida Data Processing

See: West Florida Natural Gas

### West Florida Natural Gas

# SUBSIDIARIES:

# West Florida Data Processing

28 West Beach Drive PO Box 2463 Panama City, FL 32401 (904) 763-6511 Max Lewis, President Total Sales FYE 6/81: \$750,000 Computer Services Offered: • Processing • Software Products

# West Publishing Company

### DIVISIONS:

WESTLAW Division 50 West Kellog Blvd. St. Paul, MN 55165 (612) 228-2500 Dwight Opperman, President Private

# Western Business Computers Inc

2025 Gateway Place, Ste 220 San Jose, CA 95110 (408)947-1900 Computer Services Offered: • Software Products

# Western Data Corporation

444 NE Ravena Blvd. Ste 401 Seattle, WA 98115 (206)524-9085 Robert Miller, President Total Sales FYE 6/82: \$2,000,000 Computer Services Offered: • Software Products

# Western Geophysical Company of America

See: Litton Industries, Inc.

Western Information Systems

Name changed to: Integrated Systems Group, Inc.

# Western Micro Systems

See: Western Microtechnology, Inc.

# Western Microtechnology, Inc.

### DIVISIONS:

# Western Micro Systems

10040 Bubb Rd Cupertino, CA 95014 (408)725-1660 Computer Services Offered: • Software Products • Turnkey

# Western Publishing Company, Inc.

P.O. Box 700 Racine, WI 53401 (414) 633-2431

# Western Union Corporation

One Lake Street Upper Saddle River, NJ 07458 (201) 825-5000 Robert M. Flanagan, President Total Sales FYE 12/82: \$1,025,000,000 Cptr. Sycs. Revs. FYE 12/82; \$17,170,000 Est. Computer Services Offered: • Processing

### SUBSIDIARIES:

# Western Union Teleprocessing Group

82 McKee Drive Mahwah, NJ 07430 (201) 529-6000

# SUBSIDIARIES:

# Distronics Corporation

1060 Kings Highway North Cherry Hill, NJ 08002 (608) 667-6233 Marshall Campbell, President

### Telstat Systems, Inc.

60 Hudson St. New York, NY 10013 (212) 227-5082 Bruce Hechler, President

### Western Union Teleprocessing Group See: Western Union Corporation

# Westinghouse Advanced Systems Technology

See: Westinghouse Electric Corporation

# Directory of Computer Services Companies

# Westinghouse Electric Corporation

Westinghouse Bldg Gateway Center Pittsburgh, PA 15222 (412)255-3800 R E Kirby, Chairman & CEO

Public Total Sales FYE 12/82: \$9,745,400,000
Cptr. Svcs. Revs. FYE 12/82: \$107,350,000 Est.
Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

# Westinghouse Advanced Systems

Technology 777 Penn Center Blvd Pittsburgh, PA 15235 (412)824-9100

C J Baldwin, Manager Computer Services Offered: • Processing • Software Products • Professional Services

# Westinghouse Electronic Systems Division

200 Beta Dr Pittsburgh, PA 15238 (412)782-1730 Computer Services Offered: 
Processing • Software Products • Turnkey Systems

Westinghouse Learning Corp. 2400 Cost Bldg. Ardmore Blvd. Pittsburgh, PA 15221 (412) 256-5123 Jay Clark, Director of Marketing

### DIVISIONS:

# Westinghouse Information Services Highway I and Interstate 80 PO Box 30 lowa City, 1A 52244 (319)354-9200

Donald J Gibsen, General Manager

Computer Services Offered: 

Processing 

Software

Products 

Turnkey Systems

### DIVISIONS:

# Westinghouse Strategic Operations

Division PO Box 598 Pittsburgh, PA 15230 (412)327-4700 Computer Services Offered: • Turnkey Systems

### Westinghouse Electronic Systems Division See: Westinghouse Electric Corporation

# Westinghouse Information Services See: Westinghouse Electric Corporation

# Westinghouse Learning Corp. See: Westinghouse Electric Corporation

# Westinghouse Strategic Operations Division

See: Westinghouse Electric Corporation

### WESTLAW Division See: West Publishing Company

Westley Modern Methods 107 North Warren Big Rapids, MI 49307 (616) 796-5767 Robert Westley, President Private

## Westware Inc.

2455 S W 4th Ave Ontario, OR 97914 (503)881-1477

Computer Services Offered: • Software Products

### Whalen Computer Services, Inc. Bennett Complex, Box 347

Millbrook, NY 12545 (914) 677-5025 Robert Whalen, President Total Sales FYE 4/82: \$1,500,000 Est. Computer Services Offered: • Processing • Turnkey

# Whelan Associates, Inc

Gwynedd Plaza, AE Center PO Box 650 Spring House, PA 19477 (215)643-7470 Computer Services Offered: . Software Products

### White, Bob, Computing and Software Inc. 814 Commerce Dr

Oakbrook, 1L 60521 (312) 887-1550 Robert D. White, President Total Sales FYE 2/83: \$4,000,000 Est. Computer Services Offered: • Processing • Software Products

# SUBSIDIARIES:

# Online Databanc Inc.

7108 West Oakton Niles, 1L 60648 (312) 965-0040 Robert White, President

# White, Glenn L. Company

10560 Main St., Ste 406 Fairfax, VA 22030 (703) 325-1210 Glenn L. White, President Private

Chicago, 1L 60606

(312) 322-9600

### White, Robert F. and Company 209 West Jackson St.

Robert F. White, President Total Sales FYE 7/83: \$8,000,000 Est. Computer Services Offered: • Processing

## Whiteside Associates, Inc. 3011 Rainbow Dr. Suite 101 Decatur, GA 30034

Decatur, GA 30034 (404) 243-1133 Bryce Whiteside, President Private

Total Sales FYE 3/82: \$500,000

Computer Services Offered: • Software Products

Whitesmiths, Ltd.

485 South U.S. Route 1 Ansonia Station
Woodbridge, NJ 08830
(201)750-9000
P.S. Plauger, President
Private

Private
Total Sales FYE 12/81: \$1,600,000
Computer Services Offered: • Software Products

Whittaker Medicus
Company Split/Now: Mediflex Systems Corp. and
Medicus Systems Corp.

WHY Systems Inc 17130 Avondale Wy, NE Redmond, WA 98052 (206) 881-2331 Computer Services Offered: • Software Products • Professional Services

Wilcox, R.E. Systems Inc 134 East 200 North Alpine, VT 84003 (801)532-2390 Computer Services Offered: • Processing

Wild Hare Computer Systems Inc PO Box 3581 Boulder, CO 80307 (303)494-0221 Private Total Sales FYE 12/81: \$450,000 Computer Services Offered: • Software Products

Williams & Associates 1549 Los Osos San Luis Obispo, CA 93401 (805) 541-3610 Robert Williams, President Private Total Sales FYE 1/81: \$350,000

Williams Automated Management Services, Inc 25283 Cabot Rd, Ste 214

25283 Cabot Rd, Ste 214 Laguna Hills, CA 92653 (714)770-1935
Computer Services Offered: • Software Products

Wilson Jones

SUBSIDIARIES:

Plus Computer Technology
7360 N Lincoln Ave
Lincolnwood, IL 60646
(312)647-0988
Garry Simon, President
Computer Services Offered: 
Software Products

Wilson Management Systems and Technology Group

SUBSIDIARIES:

Kappa Systems Inc.
1501 Wilson Blvd
Arlington, VA 22209
(703) 558-3700
Bruce Beddow, President
Total Sales FYE 6 (932: \$3,500,000
Computer Services Offered: • Processing • Software
Products • Professional Services

Microcommet
1501 Wilson Blvd.
Arlington, VA 22209
(703) 558-3700
Donald King, President

Donald King, President
Private
Total Sales FYE 6/83: \$800,000 Est.
Computer Services Offered: • Professional Services

RMC Research
1501 Wilson Blvd
Arlington, VA 22209
(703) 558-37000
Hugo B. Becker, President
Private
Total Sales FYE 6/82: \$4,500,000
Computer Services Offered. • Professional Services

Wilson Micro Systems
290 Elwood Davis Rd, Ste 212
Liverpool, NY 13088
(315)451-6445
Computer Services Offered: • Software Products

Winchester Computer Corporation 1270 Broadway, Ste 1009 New York, NY 10001

Wincl Corporation, The

(212)563-3030

Wingate and Associates, Inc. 6877 N. High St. P.O. Box 264 Worthington, OH 43085 (614) 888-3570

Winterhalter and Associates Inc. 215 Fifth Avenue Dexter. MI 48130

Wisconsin Physicians Service

Madison, W1 53708 (608) 221-4711 Ray Koenig, President Private

(313) 665-5582

# Directory of Computer Services Companies

Wismer Associates, Inc. 22134 Sherman Wy. Suite 420 Canoga Park, CA 91303 (213) 884-5515 David Wismer, PH.D., President

Total Sales FYE 6/82: \$3,300,000 Cptr. Svcs. Rcvs. FYE 6/82: \$3,234,000

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

Wolf Data Systems 9300 W. 110th Street Overland Park, KS 66210 (316) 341-7474

Wollongong Group, The 1135 A San Antonio Rd Palo Alto, CA 94303

(415) 493-3698 Frank Zehna, President

Woodward, Ryan, Sharp and Davis See: Noble Lowndes Group

Wordtronics

609 Lafayette Ave Hawthorne, NJ 07506 (201)427-2400 Joseph C Noto, President

Computer Services Offered: • Processing

Worlco Data Systems See: Worlco, Inc.

Worlco, Inc. 550 W. Dekalb Pike King of Prussia, PA 19406 (215) 265-2200 Public

Computer Services Offered: • Processing

SUBSIDIARIES:

Worlco Data Systems 554 W. De Kalb Pike King of Prussia, PA 19406 (215) 265-9042 Edward Rofi, President Total Sales FYE 3/83: \$4,297,758 Computer Services Offered: • Processing • Software Products • Turnkey Systems

World Computer Corporation See: The Marmon Group

World Research Systems Ltd. P.O. Box 1009

Palantine, II, 60067 (312) 991-1122 Bruce G. Tedesco, President

Computer Services Offered: • Software Products

World Wide Computer Services See: General Devices Inc.

World Wide Software Associates See: Oxford Software Corporation

World-Wide Computer Resources, Ltd

15 Trafalgar Sq. Wrentham, MA 02093 (617)384-8681

Computer Services Offered: • Software Products

Worldwide Chain Store Systems 303 E Wacker Dr. Ste 1900

Chicago, IL 60601 (312)938-0171

Charles C. Fitzmorris, Jr., President Private

Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Worth, Auger & Associates

235 West McArthur Blvd. Suite 629 Oakland, CA 94611

(415) 652-1883 Richard Auger, President Private

Total Sales FYE 12/81: \$500,000 Computer Services Offered: • Software Products • Professional Services

Worthen Bank & Trust Co. Computer

Services Division Worthen Bank Building Little Rock, AR 72203

(501) 378-1000 Edward M. Penick, Chairman

Wright, Louis A. & Associates

1158 South Main Plymouth, MI 48170 (313)459-7760

Wyle Data Services See: Wyle Laboratories, Inc.

Wyle Laboratories, Inc.

SUBSIDIARIES:

Wyle Data Services

15302 Bolsa Chica Huntington Beach, CA 92649 (714) 898-5656

Nicholas J. Lewis, General Manager

Wyly Corporation

UCC Tower, Exchange Park Dallas, TX 75235 (214) 353-7100 J. Allen Hufft, President

Total Sales FYE 12/82: \$140,508,000 Computer Services Offered: . Processing . Software Products • Turnkey Systems

# SURSIDIARIES:

Financial Software of America 1000 North Orlando Ave. P.O. Box 2084

Winter Park, FL 32789 (305) 645-3724 John T. Smith, President

Computer Services Offered: • Software Products

Open Systems, Inc. 430 Oak Grove, Suite 409 Minneapolis, MN 55403

(612) 870-3515 Dan Webb, President

Computer Services Offered: • Software Products

University Computing Company UCC Tower, Exchange Park Dallas, TX 75235 (214) 353-7100 J. Allen Hufft, President Computer Services Offered: • Processing • Software Products • Turnkey Systems

SUBSIDIARIES:

Digital Systems of Florida, Inc.

114 E. Gregory Pensaeola, FL 32501 (904) 434-2685

Dan Vertrees, Senior Vice President

X-Act Computer Service Inc.

118 So. Sunnyvale Ave. Sunnyvale, CA 94086 (408) 245-4787 Jim Pennington, President Private

XXCAL 11704 Wilshire Blvd. Los Angeles, CA 90025 (213) 477-2902 Marvin Hoffman, President Total Sales FYE 3/81: \$8,000,000

Computer Services Offered: • Software Products • Turnkey Systems

**XEDEX Corporation** 

1345 Avenue of the Americas New York, NY 10105 (212)489-0444 Computer Services Offered: • Software Products

Xener Corporation 6641 Backlick Rd. Springfield, VA 22150

(703) 569-5050 Raymond Gwinn, President

Xenex Computer Systems, Inc.

Rancho Cordova, CA 95670 (916) 635-8682 Robert Gray, President Private

Total Sales FYE 12/81: \$500,000 Est. Computer Services Offered: • Processing Xerox Computer Services See: Xerox Corporation

Xerox Corporation

Stamford, CT 06904 (203) 329-8711 David Kearns, President Public

SUBSIDIARIES:

Autex Systems

55 William Street Wellesley, MA 02181 (617) 235-1940 Charles D. Lamotta, President

Computer Services Offered: • Processing

Systemix

2737 Campus Dr. Irvine, CA 92713 (714) 851-1010

Xerox Computer Services

5310 Beethoven Street Los Angeles, CA 90066 (213) 390-3461 Haig Bazoian, President Total Sales FYE 12/82: \$93,500,000 Est. Cptr. Sycs. Revs. FYE 12/82; \$73,000,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

SUBSIDIARIES:

Praxa Corporation

26 Springdale Rd. Cherry Hill, NJ 08003 (609) 424-3600

Xidak, Inc

530 Oak Grove, Ste 101 Menlo Park, CA 94025 (415)324-8745 Computer Services Offered: • Software Products

Xonics, Inc. 1700 Old Meadow Road McLean, VA 22101 (703) 790-1840

**Xybion Corporation** 7 Ridgedale Ave

Cedar Knolls, NJ 07927 (201)540-9010 Private

Total Sales FYE 3/81; \$4,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

# Directory of Computer Services Companies

### SUBSIDIARIES:

# Xybion Medical Systems Corporation

7 Ridgedale Ave Cedar Knolls, NJ 07927 (201)540-9010

Paul Frost, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# **Xybion Medical Systems Corporation**

See: Xybion Corporation

# Yipkon Business Systems, Inc.

1 World Trade Center Suite 7967 New York, NY 10048 (212) 524-7729

Kumar Konanur, President Private

Total Sales FYE 12/82; \$3,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Yondata Corporation

111 E. Avenue Rochester, NY 14604 (716) 325-7350 Anthony H. Yonda, President

# Young Door Company

DIVISIONS:

# Plycom Services

P.O. Box 160 Plymouth, IN 46563 (219) 935-5121

Bob Sharp, General Manager

# Zeiler-Pennock

2727 Bryant St. Suite 600 Denver, CO 80211 (303) 455-3322 Jack Zeiler, President

Private Total Sales FYE 12/81: \$922,000

Cptr. Svcs. Revs. FYE 12/81: \$300,000 Computer Services Offered: • Software Products • Turnkey

# Zentec Corporation, Inc.

2400 Walsh Avenue Santa Clara, CA 95050 (408) 727-7662 Richard W. Calfee, President

Public Total Sales FYE 12/82; \$21,517,000

Computer Services Offered: • Turnkey Systems

# Zero-N Systems Inc.

18771 Blythswood Dr. Suite 240 Los Gatos, CA 95030 (408) 735-1634 James Morgan, President Private

Zeus Data Systems

2500 East Foothill Blvd. Pasadena, CA 91107 (213) 793-7207

Richard Penning, President Private

Total Sales FYE 9/82: \$750,000 Est.
Cptr. Svcs. Revs. FYE 9/82: \$500,000 Est.
Computer Services Offered: • Professional Services • Turnkey Systems

# Zia Corporation P.O. Box 351

Morris Plains, NJ 07950 (201) 540-9341 Glenn Burnett, President

# Ziff-Davis Publishing Company

DIVISIONS

# Information Access Corp.

404 6TH Avenue Menlo Park, CA 94025 (415) 367-7171 Morris Goldstein, President Private

Total Sales FYE 7/82: \$4,000,000 Est.

Computer Services Offered: Processing Software Products

Strategic Information 80 Blanchard Rd Burlington, MA 01803 (617) 273-5500 Richard Kaylor, President Private

Total Sales FYE 7/82: \$22,500,000 Est.
Cptr. Svcs. Revs. FYE 7/82: \$15,000,000 Est.
Computer Services Offered: • Processing • Software Products . Turnkey Systems

# Zink & Katich Data Processing Inc. 1905 Bernice Rd. Lansing, IL 60438 (312) 895-0880

# **Zytron Corporation**

See: Dun and Bradstreet

# 202 Data Systems, Inc. 1275 Drummer Lane Glenhardie Corporate Center

Wayne, PA 19087 (215) 964-1170 Kevin W. Galbraith, President

Public Total Sales FYE 10/82: \$2,216,284

Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

# 3COM Corporation

1390 Shorebird Mountain View, CA 94043 (415)961-9602

Computer Services Offered: • Software Products

# 3M Center

St Paul, MN 55144 (612) 731-1110

### SUBSIDIARIES:

# Media Services Inc./3M

Four High Ridge Park
Stamford, CT 06905
(203) 329-1170
David Webber, President
Total Sales FYE 12/82: \$4,000,000 Est.
Computer Services Offered: • Processing • Software

# Products • Professional Services 3M Datatrak Systems, Inc.

600 Third Ave .
New York, NY 10016
(212) 309-1938
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

# 3M Datatrak Systems, Inc.



CAMP COMPUTER SERVICES INDEX		CO! SE	MPU1 RVIC	ER ES	PRO	CES:	SING E	P	ROCE	ESSIN PE	iG		EMO 1PU1	
SERVICE AVAILABI COMPANY NAME	S S S S S S S S S S S S S S S S S S S	SOFTWARE PRODUCTS	PROFFSSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
A Supplementary DP Service, Inc.		,			+							_		Г
A. B. Dick Company Business Systems		_	+	+-	$\vdash$	-		Н	-			$\vdash$	-	H
A.M.S. Consulting Limited	- 1		9 4	,	$\vdash$	$\vdash$	-					-	-	H
AAA Technology and Specialties Company	-				+-	$\vdash$	+-	-	_				-	H
Abt Associates, Inc.		_		_	$\vdash$	$\vdash$	-	-		$\vdash$		-		H
Abt Information Services		-	+	+	$\vdash$	$\vdash$	-	-	-			$\vdash$	-	H
AFI-Datatrol Division		-	+		+	$\vdash$	-	$\vdash$				-	-	H
AGMO Software		+		-	+-	$\vdash$	-						_	r
AGS Computers Inc.		1		_	┢	$\vdash$	-	-	_	$\vdash$	_		_	h
AIS Corporation - Medical Management Systems		-		-			1	$\vdash$		$\vdash$			-	ŀ
AMI Systems Inc.		-	1	-	Ť	$\vdash$	$\vdash$	$\vdash$			_	Ť		ŀ
APL Systems		_	•		+	-	$\vdash$	-	-	-		$\vdash$	Ť	H
AR Mediquest		-		+	+	-	$\vdash$	+-	-			$\vdash$		H
ARC Automation Group Inc.	- 1				+	+-	$\vdash$	-						t
ARC Automation Services Inc.		-	+				+-							t
ASA, Inc.				+-		+-							-	t
ATAC ATAC				1	Ť	$\vdash$		$\vdash$			-	_		t
ATE Associates Inc		1	0 (		+	1	$\vdash$	$\vdash$	$\vdash$	-		_		t
ATM/Network Management Corp					$\vdash$		+	-				$\vdash$		t
AV Products, Inc.		+		1	$\vdash$	+	-			+	-	-		t
AVP Systems		_		+-	+		-	-	-	$\vdash$	-	$\vdash$		t
AW Consultants, Inc.		+	+		╁	$\vdash$	1	1		$\vdash$		$\vdash$		t
A.C.T.S. Corporation		1		Ť	+	+	+-	$\vdash$		-	_	$\vdash$		t
Aardyark Software		_	•	+	+	$\vdash$	+	$\vdash$		1		_	1	t
ABACUS Associates					1	$\vdash$		-		<u> </u>	$\vdash$			t
Academic Financial Services Association			+	-	$\vdash$			$\vdash$		1		-	-	t
Access International, Inc.		_					•	1						t
Access Technology, Inc		-		+	Ť		Ť					-		t
Accountant's Microsystems, Inc.		_	0		1							-		t
Accountants Computer Resources Corp. (ACR)		_		Ť	1									t
Accountants Processing Center		0												İ
Accounted Systems, Inc.		_	0											İ
Accounting Corporation of America	-													İ
Accounting Data Service		•											•	İ
AccTex Information Systems	(	•												Ī
Accurate Data Services Inc.	-		-											T
Accutab Data Processing Inc.			1					1	1					t

AMP COMPUTER SERVICES INDEX	C	OMP	UTE	1	PRO	CESS 10DE	ING	PF	TY	SSIN PE	G	COM	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Ace Software Inc.	•	•	•	•	•		•	П						
ACES Software	•	•		•										
Acorn Software Products Inc.		•	_											
Action Data Services		Ė	-		•	•						•		
Actuarial Computer Technology Inc.		•	•		•	•		_	П					
ADAC Laboratories	+-		Ė	•		_			П					
Adelie Corporation	_	•		Ė	Н	-								Т
Admins, Inc.	+	•		$\vdash$	Н			-						$\vdash$
ADPAC Corporation	+	•	•	-		$\vdash$	$\vdash$	-		_				1
		-	Ť		•	•	-	$\vdash$		_		$\vdash$	•	
Advance Data	-	•	•	_	-	-	-	$\vdash$		-	$\vdash$	-	-	Ť
Advanced Applications Inc.		-	-	-	-		•	$\vdash$		_	-	$\vdash$		-
Advanced Computer Management Corp.	-	•	•	•	•	-		├	-	_	-	•	•	
Advanced Computer Techniques Corporation (ACT)	-	۳	-	•	-	-	-	-			-	۳	-	H
Advanced Control Technology		$\vdash$		-	•	•	┢	⊢				•	•	⊢
Advanced Data Group	-	•	-		-	-	⊢	⊢		-	-	-	•	•
Advanced Data Management		-		•	-		-	⊢	-	H	-	•	•	-
Advanced Data Systems Inc.	•	•	•		-		1—	-	-	-		-	-	-
Advanced Data Systems, Inc.	+	•	•	•	<u> </u>	-	ļ	⊢	_	H		⊢	-	H
Advanced Legal Software	_	•	-	_	_	_	-	-	<u> </u>	L	-	-	-	$\vdash$
Advanced Management Technologies		•	•	•	L	_	-	_	_	-	-	-	_	-
Advanced Medical Systems	•	_	_	•	•		_	_	_	_	_	•	_	┡
Advanced Operating Systems		•	_	_	_		_			_	_	_	_	L
Advanced Software Products		•	•	•	_		_		_			_	_	L
Advanced Systems Applications	•		•	L	_		_	_	_		_	L		L
Advanced Systems, Inc.		L		L		_		L		_	<u> </u>	_		_
Advanced Technology Systems Inc. (Adtec)			•		_	L		_		_	_		_	L
Advcom		•	_	•	┖			L	_	_	_	L	_	L
Advent Online Knowledge, Inc		•										L		L
Advertising Inquiry Network, Inc			-									•		
Adwest Corporation			•											
Affiliated Computer Systems					•					•	•			-
Affiliated Concepts, Inc.		•	_	•						1				L
Ag-Data Inc.	•	•	-			•								
AgriData Systems, Inc		•												L
Agro Systems Corporation		•	•											L
AKRA Data Corporation						•						•		L
Alexander & Alexander, Inc.														

CAMP COMPUTER SERVICES INDEX		CO SE	MPU	TER	PR	MOE	SING	P	ROC	ESSIN PE	NG		EMO 1PU	
SERVI AVAILA COMPANY NAME	CES BLE	COETHAND PRODUCTS	PRODUCTS  PROFESSIONAL SERVICES	THRUKEV SVSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	The same of the same of
Allied Data			1			•	•					$\vdash$	-	t
Allied Information Systems Company			+	4		۳	•	$\vdash$	-		-	$\vdash$		H
Alpha Beta Data Services, Inc.			+	+	۳		-	$\vdash$	-	-		$\vdash$	_	H
Alpha Data Services Inc.		-		-	┿	-	-	•	-	-		$\vdash$	-	H
Alpha Microsystems		4	4		+	-		-	-		-	-		ł
Alpha Software		-		+	+	$\vdash$		-	-		-	⊢	_	H
Alpha Systems, Inc.	-				+	+-		-	-			-	-	ł
Alphatext, Inc.		-	4	+		-		-	-			-		t
Ambridge International, Inc.		-			۲	-		$\vdash$	-			-		ł
Amcom Data Processing, Inc.		_	4		+			⊢	-		•	-	•	ł
America Resource Consultants, Inc		_	+	+	+	-	-	-	-		H	-	_	ł
American Data Services, Inc.				+-	+	-		-	$\vdash$	Н		$\vdash$		ŀ
American Dynamic Systems & Services	-	1				-		-	-	Н	Н			H
American Educational Computer Inc.		_	31		+	-		$\vdash$	-			-		H
American Franklin Company Corporation		_			+	•		_						ŀ
American Information			1					•	-	Н				t
American Information Systems		+	1		+	1		Ť				Ť	_	ŀ
American Integrity System Inc.					$^{\dagger}$									ŀ
American Keypunch & Systems		)	•			•		•	•				•	r
American Management Systems		1				•		•				•	•	t
American Software Corporation		•												ŀ
American Software, Inc.					$\top$									ŀ
American Viking Enterprises Inc.		•		$^{+}$	$\top$									r
AmeriTrust Company		,			$\top$									ľ
Amherst Associates						•								ľ
Ampersand Corporation							•	•		•	•	•	•	ľ
Anacomp, Inc.														
Analysis & Computer Systems Inc		•												
Analysis and Programming Corporation						•							Ti	
Analysis and Technology, Inc	•	_	_	_	•	•						•	•	ĺ
Analysts International Corporation		•	_	-										Ĺ
Analytics Inc.		•												L
Anstat Business Services	•	_												L
Antech	•	_	_			•					•			
Apex Data Processing Inc.	•	_	_	-	-	•								
Apex Data Systems		•	4	1	-									
Apparel Management Systems									1					ľ

AMP COMPUTER SERVICES INDEX	(	OMP	UTE	R	PRO N	CESS	ING	Pl	ROCE		G	COM	MOT PUT	E ING
SERVICE: AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Apple Computer		•	$\vdash$		Н			Г	Г					
Application Development System Inc.		•				$\vdash$	$\vdash$			Г				
Application Software Inc.			1	-		Т								
Applications Software Inc.  Applican Inc.		$\vdash$	1	•	$\vdash$	T	Т	Г				Г	П	
Applied Business Systems			$\top$	•				Г			Г			Γ
Applied Business Systems, Inc.					•	Т		Т			Г	•		
Applied Business Systems, Inc.		T				•	Т					Г		
Applied Business Technologies Inc.			1		Т			Τ				Г		Γ
Applied Communications Inc.				•	Т	$\top$		$\vdash$			Г			Г
Applied Computer Associates			T				T	Т	Г	Г		Г		Г
Applied Computer Enterprises, Inc.			T		$\vdash$			T	Г	П		П		Г
Applied Computing Devices		1			Τ		T	Г			Г	Г	Г	Г
Applied Computing Technologies Inc.				Т			Т	Т				Г	Г	Г
Applied Data Research, Inc.				Т				1		П				Γ
Applied Data Systems, Inc.					T	Т		1	Т		Т	Γ		Т
Applied Data, Inc. (ADI)	•	1	$\top$		T	$\top$	$\top$	Τ			Т	T		Г
Applied Financial Systems							T	$\top$	Т				•	Т
Applied Information Development (AID), Inc.				Т	$\top$	T	$\top$	T		Т	Т	T		Т
Applied Information Dynamics, Inc				$\top$	$\top$	T	$\top$				T	Т	1	Т
Applied Information Systems, Inc. (AIS)				$\top$		$\top$	Т	Т				Т	Т	Т
Applied Management Sciences		T			$\top$	T		T			T	Т	Т	Т
Applied Management Systems Inc.		$\top$			T						Т			Т
Applied Microcomputer Systems					$\top$		T	Т			Т	Т	Т	Т
Applied Research Inc.					Т		Т	Т	T	Т	Т	Т	T	Ι
Applied Software Technology		•		$\top$	T			Т	Т	Т	Т	Т	Т	Τ
Apro Systems, Inc				Т	Т	Т	T	Т	П	Т	Π	L		Ι
Aquas Inc.	•				T			L		П		L	I	
Arbitron	•		Т	Т				Т				L	L	1
Archives Incorporated										L		L	$\perp$	
Area Computer Services, Inc.													4	1
Aregon Group Ltd			_				$\perp$	•					4	
Aregon Group, Inc.		_	_			1						1		1
Argo Data Resources Group												1		1
Argonaut Information Systems Inc.		•					1	1	1		1	1	1	1
Argonaut Information Systems of Kansas				•	_	1	-	1	-	-	-	1	+	1
Argos		•	_	-	1		$\perp$	1	1			-	1	1
Arlington Software												L		1

CAMP COMPUTER SERVICES INDEX			PUTE			MOD		Р	ROCI	PE	NG .		EMO 1PU	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Arms Inc.					$\vdash$							$\vdash$		t
Arthur Andersen & Co.	-	•	•					-						t
Arthur Young & Co.	-	-	•					-				-		+
Articulate Publications	+	•	Ť					-						+
Artificial Intelligence Corporation	-	•					-	-	-			-		+
Artsci, Inc.	-	•	$\vdash$	$\vdash$	$\vdash$			$\vdash$		$\vdash$	-	-	$\vdash$	t
Ashton-Tate	+-	•						$\vdash$		$\vdash$		-	_	t
Asist		•	•	-	$\vdash$	_	-	-		-		$\vdash$	-	t
ASK Computer Systems, Inc.		•	Ť	•	•		-	$\vdash$		_	-	$\vdash$	-	t
ASK Micro, Inc.	- <del>  -</del>	•		Ť	Ė			$\vdash$		-	-	$\vdash$	-	t
Associated Computer Management Specialists, Inc (ACMSI)		•	•	•	•		•	$\vdash$				•	•	t
Associated Computer Services Inc.		Ė	-	-	•		Ė	-			_	H		t
Associated Credit Services		-			•	Ė		$\vdash$		•	•			t
Associated Press					•			Г				$\vdash$		t
Astradyne Computer Industries, Inc.		•	•		•	•	•			•	•			t
Atlanta Data Processing Service				•										t
Auragen Systems Corporation		•												t
Autex Systems					•						•	•	•	Ť
Authorization Systems Inc.			•		•	•	•							Ť
Auto-trol Technology Corporation				•										t
Autodesk, Inc.		•												Ť
Automated Concepts, Inc.			•	•								П		T
Automated Design Centers								П						T
Automated Language Processing Systems (ALPS)				•										I
Automated Medical Billing Inc.				•	•	•								I
Automated Science Group, Inc.		•	•	•	•			•				•		
Automated Systems Design Corporation			•	•										
Automated Systems Consultants			•											1
Automated Teller Machine Services Group														1
Automatic Data Processing Inc.	•		•	•	•	•	•	•		•	•		•	1
Automatic Industrial Applications Inc.	_		•	•										1
Autumn Software		•	•											1
Auxton Computer Enterprises		•	•											1
AVANT-GARDE Computing, Inc.				•	•			-				-		1
Avco Computer Services Aviation Information Services Inc.	•		•		•	•	•	•	•				•	1
								1						1

CAMP COMPUTER SERVICES INDEX	C	OMP	UTE	R	PRO	CESS	ING E	PI	ROCE	SS1N PE	G	CON	MOT IPUT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Axxess Information Systems, Inc.	$\dashv$		$\vdash$	•				$\vdash$				Г		
Aya Associates Inc. (AAI)		Т	•	•	•			•				•		
Avers-Whitmore			•		Г									
Azrex Inc		•					$\Box$							
B & L Associates, Inc		•					Г							
B.K. Dynamics		Г	•				П							
BA Managistics						•								Г
BBN Computer Corporation								Г				Г		П
BDM International, Inc.	$\top$	Т						Г						
BGS Systems			•	I										
BIS. Inc.	$\top$	T	Т	•	Г	1					Г			
BMC Software Inc.		•			$\vdash$		Г	T				Г		
BMS Computer Inc.	$\top$	•	Т					Γ						
BOS National (MPSI)		•	Т	П	Γ									
BPI Systems, Inc.		•	•		Г		Г	Г	П	Г				
BRS Computing Inc.		•	•	•	Г	•		Г	П	П	•	Γ.		
BUC International Corp		Т	Г	П	•		Γ	Г						
Baird Petrophysical Group			Г	П	Г	Т	П	Π						
Bakco Data Inc.		•	Π		Г									
BancAids				Г	Т	Т			П	П		Π		
Bancroft Computer Systems				Т	П	П	Т		Г	Г	Г	П		
Bank of New Orleans and Trust Company			T	П	•	•	Т	Т		•	•	•	•	
Bankmatic Systems Inc.		Т			Т	П	П							
BankWire		Т		П	•	Г	Г	Т	П	Π		•		
Baron Data Systems		Т	Т	•	Г	Т	Г	Τ	П	П	П	L		Г
Barrister Information Systems Corp									L					
Base Network Corp		Т			Г									L
Batt Bates & Company		Т	Т			Π						L		
Battelle Columbus Laboratories	•							L						
BayBanks Data Services, Inc.	•													
Beck, Thomas Inc.			•											
Bedford Computer Systems										_			1	
Bell & Murphy and Associates Inc (BMA)	•											_		1
Benefacts Inc.		_		1			1	_		_		L	_	1
Beneficial Computer Services Inc	•						1			1				•
Benetics Corporation					-							1		L
Bergen Brunswig Data Services Co.					L						L	L		L

CAMP COMPUTER SERVICES INDEX			PUTE VICE:		PRO	MOD	SING E	Р	ROC	PE	νG	CON	EMO (PU)	TE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Better Methods Software Corp	_	•	$\vdash$	$\vdash$								$\vdash$	-	H
Bibliographic Retrieval Services Inc.		-		$\vdash$	•				-		Н	├	-	-
Black, David R & Associates, Inc	-		-	-	-				-	-		-		f
Boeing Computer Services Company		•	•			•	•		-					+
Bolt Beranek and Newman, Inc.		•	-	-	-	-	-	-				-	-	+
Bonner & Moore Computer Service		-	•	-	⊢		-	-	-		Н	$\vdash$	$\vdash$	H
Boole & Babbage, Inc.			•	$\vdash$	$\vdash$		-	-	-		Н	$\vdash$	$\vdash$	H
Booz Allen & Hamilton Inc.		-	•	$\vdash$	-		$\vdash$	H	$\vdash$		Н	$\vdash$	-	H
Boston Financial Data Services		-	-		•	•	-	Н	$\vdash$			•	•	H
Boston Systems Office (The), Inc.		•			۳		-	Н	Н			-	Ť	H
Bowne Information Systems, Inc.		•	-	-			-	Н	$\vdash$			•	-	ŀ
Bradford Business Systems Inc.		•			۲		$\vdash$	Н	$\vdash$			H	-	H
Bradford National Corporation		•	•	$\vdash$		•	•	Н	-		-	H	-	H
Bradmark Computer Systems, Inc		•	_		۲	_			-		-	Н		H
Brault, Strauchman Associates		Ť			-			-			-	Н		H
Breuer and Co.				-	-			Н	-			Н		H
Bricmont & Associates, Inc.		-		•				Н	-			Н	_	H
Bridge, The			Ė	Ť	$\vdash$							_	-	H
Broderbund Software Inc.	_	•	-	$\vdash$	-	Н		Н	_					H
Brokerage Software Systems, Inc.		•	•		$\vdash$	Н		Н				Н	-	H
Brokerage Transaction Services Inc.		-	-		•					•	•	•	•	t
Brown, Johnston & Associates Inc.		•												r
Brown, Sanders & Associates, Inc.		•	•											t
Budget Computer Systems		•	•	•				П						t
Budget Timeshare Inc		•	•											t
Burlington Data Processing Inc.		•	•	•										t
Burroughs Corporation		•	•		Г	П								t
Bush, Lloyd and Associates														r
Business and Professional Software, Inc.														Ī
Business Application Systems, Inc. (BAS)		•		•										
Business Applications Group	•													
Business Automation Inc.	•	•	•	•										
Business Computer Center				•										Ĺ
Business Computer Design		•	•											Ĺ
Business Computer Services Inc.	•			•	•		•							
Business Computer Solutions Inc.		•	•											
Business Information Systems Inc.														

CAMP COMPUTER SERVICES INDEX		SER	PUTE VICES	R S	PRO	CES	SING E	Р	ROCI	PE	4G	CON	(PUT	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Business Model System, Inc	-	•	+	+	$\vdash$	$\vdash$	$\vdash$	┢	-			-		-
Business Planning Systems, Inc	_	•	+	+	-	$\vdash$	+-	$\vdash$	-	-		$\vdash$	-	$\vdash$
	-	-	+	+	-		-	⊢	$\vdash$	+-	$\vdash$	┢	-	
Business Service Corporation		+-	+	+		•	-	⊢	$\vdash$	-	$\vdash$			-
Business Services Global Systems Services 5010			$\vdash$	$\vdash$	-	-	+	├	$\vdash$	-	$\vdash$	۳	-	
Business Systems Associates Inc			+	$\vdash$	-	-	⊢	├-	⊢	$\vdash$	-	⊢	-	-
Business Systems Inc.	•		+-	╄	•	•	-	-	-	⊢	₩	-		-
Bytel Corporation			┺	╙	_	_	ـــــــــــــــــــــــــــــــــــــــ	L	_	╙	╙	-		
C.A.C.I., Inc.		•	•	┺		_	_	L	_	_	╙	_	_	
CAE Systems, Inc.				•	L		L	L	L			L.		
CCH Computax Inc.	•			•	•	•		L						
CCS	•					•		•						
CDS Systems, Inc.				•			l							
CFM Software Services				Т	Г		П		П	Γ				
CFS Inc.					Г		Г	Γ	П	Г		Г		
CGA Computer Associates Inc.		•	•		Т							Г		
CGG Data Processing Service Inc						•	Г			Г		П		
CGX Corporation		$\vdash$	$\top$		T		$\vdash$		Т		_	$\vdash$		
CL Systems Inc.		+	+		$\vdash$			$\vdash$	$\vdash$	$\vdash$	$\vdash$	_		$\vdash$
CMA Micro Computer				广	1	$\vdash$	$\vdash$	1	$\vdash$	$\vdash$	$\vdash$	1		
CMC Associates Inc					1	$\vdash$	+	+-	$\vdash$	$\vdash$	$\vdash$	1		$\vdash$
CMC Software	-+-		-	•	+-	╁	+	╁	+	$\vdash$	+	+-	-	$\vdash$
CMSI		+	•	۳	╁╌	$\vdash$	+	┢	╁	1	+	╁	-	+
CPAids			-		╁	$\vdash$	+	╁	+	+	+	╁	-	$\vdash$
CPAIds  CPS - Medical Billing Systems		-	+	۳	╁╌		$\vdash$	⊢	-	+	$\vdash$	╁	-	$\vdash$
	-	+			+-	-	+	╀	+-	$\vdash$	$\vdash$	$\vdash$	-	-
CPS Inc.				-	•	$\vdash$	+	⊢	+	$\vdash$	┾	⊢	-	$\vdash$
CR Inc (Compensation Resources)	•		-	+-	١.	$\vdash$	⊬	⊢	⊢	⊢	$\vdash$	-	-	-
CRC Information Systems Inc.	_	-	+	-	1	L	⊢	⊢	╄	-	-	-	-	⊢
CRI				-		•	-	-	-	-	-		•	-
CSW, Inc.		_	_					-		-	_		•	•
CS2/Database International		•	-	-	-	-	-	-		-			-	-
CTEC Inc.		$\vdash$				-		-	-	-			-	
CTI Limited Inc.	•		•	1			1			-	-			
CTS Services Inc		_		•	1	$\vdash$					-	_		
CUC Insurance Services	•													
C3 Inc.				•										
Cable Data .				•	•			L				•	•	
Cableshare Limited														

			ICES	,		MOD	K		TY	PE		COV	1PUT	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALITY	INTERACTIVE	REMOTE BATCH	DATABASE
CADLINC Inc.				•										_
Cadnetix Corporation	$\vdash$			•	Н			Н	Н	Н	Н	Н	-	_
Cado Systems of MD, Inc.	-			•										_
CADTRAK	1			•										_
Calculon Corporation			•											
California Minicomputer Systems Inc.				•										
California Software, Inc		•										П		_
California Systems Associates	1	•										П		_
Call Computer	•	•	•	•				•		•		•		_
CallData Systems, Inc.					•									•
Calma Company				•										
Calspan Corporation Advanced Technology Center			•											
Cambar Business Systems Inc		•												
Camex				•										
Cammack Consulting Agency, Inc.	•		•				•							
Canada Systems Group	•		•	•		•								
Candle Corporation		•												
Cannon Computer Company	•					•								
CAP Gemini, Inc.	L		•											
CAP-CPP Inc.	L											Ш		
Capcom Systems, Inc.	•													
Capro Inc	_	•												
Capsco	L	•										Ш		
Cara Corporation		•	•									Ш		
Care Computer Systems	•	•		•		•	Ш	Ш	Щ		▣	Ш	_	_
Care Information Systems Inc		•	Ш									Ш		_
Career Systems	•													_
Career Systems Inc.	•		_									▣		•
Carleton Corporation	-	•												
Carousel MicroTools		•		-										
Casper Processors Inc	•	•	•				•			•	•			
Catallatics, Inc. Catalyst Corporation	-		H							_				
Catalyst USA Inc			Н	•							-	H		
Chord Group Inc. (The)		•	•	H	•	•							•	
	-		ч	_	_	_		-				님	-	-
Cdex Corporation														

AMP COMPUTER SERVICES INDEX		OMP SERV	UTEI /ICES	R	PRO	CESS 10DE	ING	PI	TY	SSIN PE	G	COM	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Centennial Computer Services Inc.	•	•	$\vdash$	•	•		•					Г	•	
Centex		1		•							•			
Central Credit	•		Т		$\vdash$									
Central Data Processing Inc.	•							П						
Central Data Processing Inc.														
Central Systems Incorporated		•		•									_	
Century Analysis Inc.		•		•										L
Century Associates		•	T		Г							L		
Cerritos Computer Services				•			Г					_		L
Chain Store Systems Ltd					•	•						•	•	
Champion Service Corporation		Τ	Т	П	•					•	•	•		
Chancellor Computer Corp.				•				L				L		
Chang Laboratories Inc.		•						L			L			上
Chapman & Associates		•	L	L		L		L	L.	_	<u> </u>	_	L	$\perp$
Charter Information Corp					L	L	_		L		_	L	_	-
Chase Econometrics/ Interactive Data Corporation	•	-			L	L	_	L			L	_	_	
Chase-TCMS	•	L	_		L	•	_	_	_		_	1	╙	-
Cheltonian Inc		L	_	•	L	_		_	L	_	ļ.,	L	_	1
Chemical Abstracts Services (CAS)	•	-	_	_		_	┡	┖	L	_	L	ļ.,	_	
ChemShare Corp	•	-	+	•	•	1	_	┺	•	-	┡	•	-	$\perp$
Chi/Cor Information Management Inc			1	╄	↓_	_	↓_	┞-	-	1	-	-	⊢	╀
Chilton Corp	•	+		╙	1	L	╄	↓_	-	1	-	╄	_	╄
CHIPS, Inc.	•		_	•	┡	•	⊢	╀	_	-	⊢	-	-	+
Christensen, Laurits R. Associates, Inc.		Ļ	•		┞-	-	-	╄	-	-	-	-	$\vdash$	╀
Christian Rousing Computer Systems			-		╄-	╄	+	⊢	-	-	-	⊢	-	+
Chubb & Son, Inc.	•	-	_	┼-	╀	$\vdash$	+	╀	$\vdash$	-	-	⊢	+-	+
Cincom Systems Inc.	_	•	•	-	╀	$\vdash$	+	╀	-	$\vdash$	-	⊢	+-	+
Circle Computer Services	-			•	-		-	-	-	-		-	+	+
Circle Software Corporation	-	-		-			+	+-	-	-	-	•	•	1
CISInetwork Corporation		-	-	+	1	-	-	-		$\vdash$	-	1	-	۴
Citicorp		-		+				-				+	1	+
Citizens Automated Systems		-	-	+	-		+				+	•		+
Citizens Financial Corporation		-	+	+	-		-	+			+	+		
Claritas		_			-			+				•		+-
Cliff Data Systems, Inc. Coastal Information Systems, Inc.		-		-	•	1	-	1				•	-	+
Cogito Data Systems		-		-		+-	-					1		

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS	SING E	PI	ROCE	SSIN PE	G	COM	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Cole, Layer, Trumble Company	$\overline{}$	•	•		Н	Н	-			_		Н		_
Collier-Jackson & Associates, Inc.	_	•	۳	•	$\vdash$	-	_		-		-	-	-	-
Colonial Mortgage Service Company		-		-	•	-	-	Н	-	-	-	-		-
Com Code Corporation		•	$\vdash$		-	-	Н	Н	-	_	-	-	-	
Comarco, Inc.		-	$\vdash$	$\vdash$	•	$\vdash$		-			-	-		-
Comcheq Services Ltd	-	•	$\vdash$	-	-	-				_	Н		-	_
Comdata Network, Inc.	-	-	$\vdash$	-	•		-		-	_	Н		-	-
Comm-Pro Associates		•	•	$\vdash$	-	-	-	-		_	Н		-	_
Command Control & Communications Corporation	-	۳	-	-	-		-	-		_	Н	Н	-	-
	_		-	-	-		Н	Н			Н	Н	$\dashv$	_
Commercial Data Corp.	-	+-	-	_	-	-	-	Н		_		Н	$\dashv$	_
Commercial Programming Services Inc			-	<u> </u>	_	_	-	H		_		Н	$\dashv$	_
Commercial Resources	•	1	-	_	•	•	_			_	_	Н	_	_
Commercial Systems, Inc.	•	Ļ	-	_	_	_		•		_	•	-		_
Commercial Timesharing Inc		•	-	_	_	_		L		_	_	ш	_	_
Commodity Information Services Company	•	╀	-	_	•		_		H	_	-	-	-	•
Communications Computer Services Inc	•	-	-	_	•	_		•		_		Н		_
Communications Processing Group Inc.	•	•	1_	•	_				_	_	_			_
Communications Solutions Inc.	_	•	•	_	┡			L	<u> </u>	_	_	$\vdash$		_
Comp Info Inc.		•	•	•	<u> </u>	<u> </u>	_	Ш	<u> </u>	_	_	_		_
Comp-U-Card International Inc.	•	_	ļ.,	_	<u> </u>	_	_		_	_	_			
Comp-U-Staff Inc		_	•	_	_		_		<u>_</u>	_	_			_
Compeda Inc.		•	L		_					•	•			
Complete Computer Systems			•	•					_	_				_
Comptek Research Inc.		╙	•	•						_				_
Compu-Link Corporation	•	$\perp$	•					L.		_				_
Compu-Share, Inc	•			•	•							•		_
Compu-Tome, Inc						_								
Compucare, Inc.		_	•											
Compucheck						•						•	•	
Compucon		•	•											
Compufact				•										
Compuline Data Systems	•				•	•	•							
Compumax Associates Inc.		•												
CompuMed/Systemedics	•				•	•	•							
Compupower Corporation	•													
CompuServe Incorporated	•				•							•		
CompuServe Network Services														

CAMP COMPUTER SERVICES INDEX	9	OMP SERV	UTE	R	PRO	CESS 40DE	ING	PF	TYI	SSIN PE	G	CON	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
CompuShop	$\top$	•												
Computab Inc.	•		•		•	•								
Computek		•	•											
Computek Computing Corporation	•			•		•								Г
Computer Aided Manufacturing-International, Inc (CAM-I)	$\top$	•												Г
Computer Application Systems Inc.	_			•	Г									Г
Computer Applied Systems Inc.					•	•		$\vdash$						Г
Computer Assistance International Inc.	•	•	•	•	-	•	•	-		_	$\vdash$	1		Г
Computer Associates International, Inc.,	+-	•	Ť	Ť	$\vdash$	-	Ť	1	$\vdash$	-		-	_	r
Computer Associates Inc.		•	+-	•	•	•				-			•	H
Computer Associates Inc. Computer Center Inc. of Miami	-	۲	-	Ť	•	•	۲	Ť		$\vdash$	$\vdash$	-	-	H
Computer Company (The)	-	+-	$\vdash$	-	•	•		-	$\vdash$	-		╌	$\vdash$	H
Computer Concepts & Services Inc.	+	+-		$\vdash$	ř	Ť	Ť	+-		-	$\vdash$	-		H
Computer Consoles, Inc.	+	$\vdash$	۳		-	-	$\vdash$	$\vdash$		-	-	+-		H
	•		╁╌	۳	$\vdash$	-	+-	-	-	-	-	$\vdash$	-	H
Computer Controls Inc.	•	•	•	•	$\vdash$	$\vdash$	$\vdash$	1	-		-	+-	-	H
Computer Corporation of America, Inc.	-	•	-	-	├-	$\vdash$	-	⊢	$\vdash$	-	-	╁		H
Computer Corral	•	•		•	$\vdash$	$\vdash$	+	╁	-	-	┢	┢	-	H
Computer Cost Control Corporation	-	•	-	-	-	$\vdash$	-	-	-	-	-	┢	-	H
Computer Covenant Corporation	+	-	$\vdash$	•	┈	$\vdash$	+	-	-	-	-	⊢		H
Computer Curriculum Corporation	-	⊢	$\vdash$	-	╀	⊢	-	-	-			⊢	-	H
Computer Data Processing Inc.		$\vdash$	-	⊢	⊢	-	$\vdash$	⊢	-	⊢	-	Ͱ	-	+
Computer Data Systems, Inc.		$\vdash$	•	-	⊢	$\vdash$	$\vdash$	⊢	-	-	$\vdash$	⊢		H
Computer Designed Systems Inc.	-	-	⊢	•		-	-	$\vdash$	-	-	$\vdash$	╀	-	1
Computer Directions Advisors Inc. (CDA)	•	•	-	+-	•	-	$\vdash$	┼-	-	-	$\vdash$	⊬	-	ľ
Computer Dynamics Inc.	+-	-	•	-	-	⊢	$\vdash$	├-	-	⊢	⊢	⊢	-	╀
Computer Generation Inc.	+	╀	•	•	⊢	$\vdash$	+	-		-	-	⊢	-	╀
Computer Horizons Corp.	-	-	•	-	-	-	-	-			-	-		+
Computer Income Planning Corp.	•	-	-	•	-	-	+	-	-	-	-	-		+
Computer Industries Corp	-	•	-	+	-	-	-	-		-		-	-	+
Computer Innovations	•	•	•	-		-	-		•	•	•			1
Computer Input Corporation	•	•	-	•		-	-	•	-	-	-	•	-	+
Computer Input Services, Inc	•	-	•		-	-	-	+	-		-	-		-
Computer Language Research, Inc.		•	-	-	•	•	-	-	-		-	-		1
Computer Management Corporation	•	•		•	•	•	-	-	-		-	•	•	+
Computer Management Dynamics, Inc	-		-		1	-	-	-	-		-	-		1
Computer Network Corporation (COMNET)		•	-		•	-	•	-		-		-	-	+
Computer Partners, Inc.			•					L						L

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS	SING E	P	ROCE TY	SSIN PE	iG	CON	MO' MPU1	TE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABLEE
Computer Power Inc.		•	•		•	•		$\Box$				•	•	Ī
Computer Procedures Corp.		Ť	Ť	$\vdash$	Ť	Ť		-		$\vdash$		ř	-	F
Computer Processing Institute		1	•									-	-	t
Computer Research, Inc.		-			•									t
Computer Resources International		•	-	•										t
Computer Results	•	Ť	•	Ė		•	-	_				Н		t
Computer Sciences Corporation			•	•	•	•	-							t
Computer Services Associates		•	•	•		Ė		$\vdash$		_		-		t
Computer Services by Arens		•	1							-				t
Computer Services Corporation		•		•	•				_		•	•	•	t
Computer Services, Inc.		T	1		•	•		•			•		_	t
Computer Sharing Services Inc.		$\vdash$			•			$\vdash$	•					t
Computer Synergy, Inc.		•	•	•	Г									t
Computer System Programming for the Fashion World Inc.		$\vdash$	$\vdash$		_		Г	Г						t
Computer Systems Development, Inc.			•											t
Computer Systems Engineering			Т	•										t
Computer Systems Group, Inc				•	•	•	•				•	•	•	Ţ
Computer Task Group Inc.			•	•		•		•						t
Computer Technology Associates		•	•	•										Ť
Computer Time Services														İ
Computer Usage Corporation	•			•	•						Г	Г		İ
ComputerAided Design Resources, Inc.				•										İ
Computeristics Micrographics	•										Г		1	Ī
Computeristics, Inc.		•		•		•	Г	Г						Ī
Computerized Business Systems	•	Т												I
Computerized Office Services, Inc		•												
Computerpower Corp	•	•	•	•	•	•						•	•	I
Computers for Business, Inc.		•		•										
Computervision Corporation				•										1
Computing Productivity, Inc		•										<u>_</u>		
Computone Systems Inc.	•	•		•	•	•						•		1
Computrae Inc.				•										1
Computrol, Inc.		•	•			_	_				1			1
Computron Technologi Company Inc.		•	•	_						_	_	_		1
CompuVision		•	-		_									1
Compuware Corporation		•	•	_					_				_	1
Comserv Corporation					•	•		1				1		1

AMP COMPUTER SERVICES INDEX			PUTE		PRO	CESS	SING E	P	ROCE TY	SSIN PE	G	CON	MOT 1PUT	E ING
SERVICE: AVAILABL COMPANY NAME	E BROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Comshare, Inc.			t	$\vdash$	•		-	┢			_	$\vdash$		Т
Comspec Exploration		-	+	$\vdash$	-	Ť		$\vdash$	$\vdash$			$\vdash$		
Comtech Group International Ltd.		-		+-	$\vdash$	$\vdash$	$\vdash$	$\vdash$					-	
Contrac Inc.		+-	Ť	+	$\vdash$		t		1	$\vdash$		1	$\vdash$	
Comvestrix Corporation		-	+		$\vdash$	Ė	$\vdash$	⇈		$\vdash$		1		Г
Concept Systems, Inc.		۲	+	•	H		$\vdash$	$\vdash$	$\vdash$	$\vdash$		$\vdash$		Г
Concord Computing Corporation		+	+		•	$\vdash$	$\vdash$	$^{\dagger}$	$\vdash$			Τ		
Condor Computing Corporation  Condor Computer Corp.		+	+-		+-	+		1	$\vdash$	-	1	$\vdash$	$\vdash$	T
Condor Corporation, The	_				1	$\vdash$	1	T	$\vdash$	1	1	$\vdash$		Т
Consilium Associates, Inc		•	-	Ť	╁	$\vdash$	1	$\vdash$		1	$\vdash$	$\vdash$	$\top$	Г
Consolidated Computer Corp		_	+	$\vdash$	1		1	$^{+}$	$\vdash$			T		Т
Construction Computer Control Corporation						T		Т				$\top$	T	Г
Construction Information Systems				$\vdash$				T		•				Т
Construction Systems Assoc.					$\vdash$	Т	T					T		Т
Consultants for Information Resource Management Inc.								Т				Г	Т	Г
Consultec				•	Т			П	П	П	Т	Г		Г
Consumer Merchandising Inc.	•				Т			Т						
Consumer Systems Services Group, Inc.	•						Г	Т		•				Г
ConTel Data Services Corp					T			Т				Т		Г
ConTel Information Systems, Inc		$\top$						T		Т		Т		Г
Context Management Systems					Т	Т	Т	Т	Т			Т	T	Т
Continental Computer Services, Inc.				1			Т	T		Т	Т		T	Т
Continental Data Processing, Inc.	•								Т	Т				
Continental Information Systems				T	Т	1	Т	Т	Т		T	Г	Τ	
Continental Medical Systems		•			Т		Т	Т	Т	Т	Г	Т	Т	Т
Continental Software		•			T	Т	Т		Т					
Continuum Co., The														
Contract Software Consultants Inc,		•												
Control Data Corporation	•													
Convey Associates												L		
Convey Company, Inc.		•	_					-	1		1			-
Cook Data Services, Inc.							_						_	-
Coopers and Lybrand		_			$\perp$		$\perp$	1	1	1	-	-	1	1
Corgill-Meyer and Associates			-	1	-		1	1	-		-	+	-	+
Corodale Incorporated			-	1	1	1	-	+	-	-	-	-	-	+
Corporate Data Systems		•		1	1	1	-	1	-	-	-	-	-	+
Corporate Systems	•							L.		L				

CAMP COMPUTER SERVICES INDEX	1		PUTE		PRO	MODI	SING E	P	ROCI TY	PE PE	NG	CON	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Corporate-TECH Planning, Inc	+	1	•		Н					_	Н	Н		_
Cortex Corporation	+		•	_							-	$\vdash$		_
Cost Systems Engineers	+		Ť	_	-					-		$\vdash$		_
Creative Management Systems Inc			•									Н		_
Creative Output	_	•	$\vdash$											_
Creative Socio-Medics Corp (CSM)	+													_
Creative Software Concepts Inc	1	•		$\vdash$										_
Creative Systems Group		$\vdash$	•		•	•		•			•	•	•	_
Credit Bureau Inc. of Georgia		$\vdash$												_
Ctrac Computer Services				•	•	•		•				•		_
Cullinet Software	+	•												_
Cumberland Software Inc.	+													_
Curtis-Wright Computer Service					•	•				•		•	•	_
Custom Application Systems, Inc.														
Custom Computer Services			•	•	•	•		•		•	Г	•	•	•
Custom Engineering Inc.					П									_
Custom Tailored Software Inc.	$\top$		1		-									_
Cutler-Williams, Inc.		$\vdash$	•											_
Cyber Data Systems	+	•		•										_
CYBERNET		1		•	•			•	•	•	•		•	•
Cybernetics and Systems Inc.				•	•	•	•	•			•	•		
Cybernetics System International Corp	•		•											_
Cybershare Ltd					•	•	•	Г				•		_
Cybertek Computer Products, Inc.			•	•	П		•		$\vdash$	$\vdash$		Г		
Cyborg Systems, Inc.										Г				
Cycare Systems, Inc.			_	•	•		Г	Г		•	•	•	•	Т
Cycom Corporation				•							•			_
Cyex Systems Corp.														Г
Cyma Corp														П
D.E.S. Inc.					П	•					Г			
D-NET	Т											Г		Т
DBA Systems, Inc.			•	•										
DBMS, Inc.	•	•	•								•			
DCD Company		•	•											
DDP Systems, Inc.		•		•										
DMI Systems, Inc.														
DMR & Asociates	1									Γ				_

AMP COMPUTER SERVICES INDEX		CO	MP!	UTER ICES	۲	PRO N	CESS 10DE	ING	PI	TY	SSIN PE	G		MO1 PUT	
SERV AVAIL COMPANY NAME	ICES ABLE	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
DMW Comm. Inc.	-		•			•	_						•	•	
DMW Group, Inc. DNA Systems, Inc.		_	•	Н	-	H	_	-			_			-	
	-		-			Н	•	•	Н		_	Н			-
OPC Corporation		-	•	•	Н	Н	_	-	-		-		-		-
OPX Inc.		_	-	_	-	•	-	-	$\vdash$	-	$\vdash$		_		_
OST Systems, Inc.		_		•	-	ř	-	-	-		$\vdash$	-	•		_
OTSS Incorporated		_	•	•	-	⊢	$\vdash$	-	$\vdash$	-	$\vdash$	-	Ť	_	H
OYX Corporation			_	H	•	•		_	├	$\vdash$	$\vdash$				$\vdash$
Da-Tronics, Inc.		_	•	•	•	-	-	-	$\vdash$	-		-	Н	_	H
Dacor, Inc.		+	•	-	•	-	-		-	-	$\vdash$	-	Н		Н
Dagar Enterprises		+	_	-		⊢	-	$\vdash$	-	$\vdash$	-		Н		
Daisy Systems Corp.		•	-		-	•	-	-	$\vdash$			$\vdash$	•	$\vdash$	Н
Dalgety, Inc.		-	•		-	-	$\vdash$	-	-	-	-		Ť	$\vdash$	$\vdash$
Daly & Wolcott Inc.		$\dashv$	•	_	-	-	-	-	$\vdash$	-	-		$\vdash$	-	-
Dapsco, Inc		$\dashv$	-		-	-	-	-	-	-		-	$\vdash$	-	$\vdash$
Darcor		+	÷	•	-	H	-	$\vdash$	-	$\vdash$	-	-	$\vdash$	-	$\vdash$
DASD Corporation		+	-	-	-	-	-		$\vdash$	$\vdash$	-		$\vdash$	$\vdash$	$\vdash$
Dash Group, Inc		$\dashv$	÷	-	$\vdash$	$\vdash$	-		-	$\vdash$	-	-	-	$\vdash$	$\vdash$
Data Access Corporation		+	-	•		$\vdash$	-	-	-	$\vdash$	-	$\vdash$	-	-	Н
Data Architects, Inc.		+	-	•		⊢	-	-	-	$\vdash$	-		-		H
Data Base Logic Inc.		+	-	-	•	-	$\vdash$	-	-	-	-	-	-	$\vdash$	H
Data Base Management, Inc.		-	-	•	•		⊢	├-	⊢	-	$\vdash$	-	$\vdash$	-	+
Data Basics Corp.		•	_	-	•			-		-	$\vdash$	•		-	⊢
Data Belt Corporation		•		-	•	-	-	-	-	-	-	-	۳	-	$\vdash$
Data Communications Corporation		-	•	-	-	-	$\vdash$	$\vdash$	$\vdash$	+	-	-	⊢	-	$\vdash$
Data Composition Services Inc.		•		-	-	⊢	•	-	•	$\vdash$	-	$\vdash$	⊢		$\vdash$
Data Computing Corporation		-				⊢	-	$\vdash$	۳	$\vdash$	$\vdash$		⊢	-	⊢
Data Concepts		•	_	-	-	-		+-	-	-	-	-	-		╁╌
Data Consultants Inc.		-	_				-	-	-	-				-	H
Data Counts		-	•	-	•		-	+	-	-	-		-	-	$\vdash$
Data Design Associates, Inc. Data Directions, Inc.			•	•					-						-
Data Directions, Inc.  Data Flow Inc.		•	_	-	-		•								+
Data Flow Inc. Data General Corporation		-	•				-		$\vdash$						+
Data Inc.		•	•	•	•										+
Data Inc. Data Index Incorporated		-	•	•	•	1						Ť	Ť		+
			•	-	•	$\vdash$					-		$\vdash$		+
Data Law Company Data Management Group			•		-					-					-

AMP COMPUTER SERVICES INDEX	1	SERV	TICES	R	PRO	CESS 40DI	ING	PI	TY	SSIN PE	c	COM	MOT	E
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Data Management Inc.		•	•	•										_
Data Management Services Inc.		-	-		-	Н		-			-			
Data Marc Inc	+-		_	$\vdash$	Н	-			_					
Data Processing & Accounting Services		-	_	$\vdash$		•	П	-						Ī
Data Processing Center Inc.		$\vdash$	-		•									Г
Data Processing Consultants	Ť		•	•										ſ
Data Processing Design, Inc.	+		•	•				Г						Ī
Data Processing Services Inc.					•	•		Г						Ī
Data Resources, Inc.		_	•					Г						Ī
Data Solutions Inc.	$\top$	$\vdash$		•										Ī
Data Systems Consultants			•	•				Т						Ī
Data Systems Consulting Corporation					Т									Ī
Data Systems for Industry	+		$\vdash$	•										Ī
Data Systems of Baton Rouge		•												Ī
Data Systems, Inc.		$\top$												Ī
Data Systems, Inc.		Т	Т		•	•						•		Ī
Data Tek, Incorporated		•	•											Г
Data Ten, Inc.							•					•	•	1
Data Train, Inc.	Т							Г						Γ
Data Universal Corp.						•								Γ
Data 21								Г						Г
Data 3 Systems														
Data-Mate Inc	$\top$													
Data-Tax, Inc.		•												
Data-Tronics Corporation		Г	Ι		•	•						•	•	
Database Design Inc.			•											
Datacare Inc.		•		•		L.						L		
Dataco Computer Services														1
Dataco, Inc.		_												1
Datacomp Corporation		•			•	•	•			•		•	•	ļ
Datacor Services Inc.		-										•	•	1
Datacrown Inc.														1
Dataflow Systems, Inc.			•											+
Dataguard Corporation	-	•												+
Datalex Company					1									1
Datalex Company  Datalift Corporation		_	+							$\overline{}$				ш

CAMP COMPUTER SERVICES INDEX	1	COMI SER	PUTE VICE:	R S	PRO	X ES	SING E	Р	ROCT	REMOTE COMPUTIN				
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Datamate Company, Inc	+	•	$\vdash$	$\vdash$	$\vdash$		+				-	H	-	T
Datamatic Company, me				+	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	-	-	-	_	H
Datamatics Inc.	•	-	•	+	$\vdash$	$\vdash$		$\vdash$	+		-	_	-	$\vdash$
Datamation Inc.		+	Ť	•	•				1		-			t
DataMed Systems Corporation	Ť	+	+	•	ř	Ť	$\vdash$	$\vdash$	1			-	-	t
Dataplex Company			+	Ť	$\vdash$	$\vdash$		1	$\vdash$			Т		t
Dataslink Business Systems, Inc.	Ť		+	$\vdash$	-	$\vdash$	$\vdash$		1			_		t
Datatab Inc.		Ť	+	-	•	•	$\vdash$		+			•	•	t
Datatel Inc.		+	+		•	Ť	$\vdash$	Н	-	-	-	Ė		t
Datatend, Inc	+		+-	Ť	Ť		$\vdash$	$\vdash$						t
Datatronic Systems Corporation Computer Sciences Div.	•	۲	+	$\vdash$	-	+	+-	+	1-			$\vdash$	-	t
Datec, Inc.	•		•	╁	$\vdash$	$\vdash$	+	-	+-		$\vdash$		$\vdash$	t
Datek Insta Card Corporation		+-	Ť	$\vdash$	•	$\vdash$		$\vdash$	$\vdash$	-	-	•		H
Datex Inc	+		+	-	Ė	$\vdash$	$\vdash$	$\vdash$				Ė	-	t
Datronic Systems, Inc.	+-	•	+	$\vdash$	$\vdash$			-	-					t
Datronics, Inc	+	Ť		$\vdash$	$\vdash$	$\vdash$		$\vdash$	1					H
Davidson Associates	+		Ť	+	$\vdash$			H	$\vdash$	-	-	$\vdash$		H
Dawson Geophysical Company	•	۲	+	$\vdash$	•	•	$\vdash$	H	$\vdash$		$\vdash$	•	•	t
De Anza Systems, Inc.	+-		+	$\vdash$	Ť	Ť	+	-	+-	-		Ť	Ť	╁
Dealer Information Systems	+-	•		•	1-	$\vdash$	+	$\vdash$	$\vdash$	-	-	-	$\vdash$	H
DeBugge Computer Services Inc.	+	•	•	Ť	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$		-	-	-	H
Decimus Corporation		۲	-	+-	•		+-	-			$\vdash$		$\vdash$	1
Decision Focus Inc.	•		•	•	•	۲	+-	╁╌	-	-	$\vdash$	•	•	╁
Decision Graphics	+-	•	•		<u> </u>	$\vdash$	+	-	-	_	$\vdash$	Ť	-	H
Decision Products Services, Inc		•	•	Ť	•	•	+-	$\vdash$	-	-	-	•	•	┝
Decision Resources, Inc	Ť	•	۲	$\vdash$	ř	Ť		$\vdash$	-	-	-	-	_	H
Decision Sciences Corporation	•	•	•	•	-	-	+-	┢	-	-	-		-	H
Decision Systems, Inc.	•		•	۲	•	•	+-	$\vdash$	-			-	•	H
Decisions Development, Inc.						1						•		-
Del Bron Inc	1	Ť	Ť	•				1						H
Del Rey Systems, Inc.			•	•										H
Del-Data Computer Services	•	•	•	•	•	•							•	
Deloitte Haskins & Sells	+	Ť	•			Ĺ								
Delphi Data Systems, Inc.	+	•	•	•										$\vdash$
Delphi Systems Inc.		•	•	•	•							•	•	$\vdash$
Densichron Division	+	Ť	Ť											Н
Denver Processing Center, Inc		1												

AMP COMPUTER SERVICES INDEX		OMP			PRO	CESS	ING	PI	ROCE	SSIN PE	G	COM	MOT	E INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Dec Coffee Common The	+	•			-	Н	_		_		Н	Н		_
Denver Software Company, The	+	•		-		-			-					-
Design Aids, Inc. Designers & Builders of Information Systems	+-	•	•	•					-					_
	-	•	-	-					-			-		
DesignWare Desk Top Financial Solutions Inc	+-	•	-	-				-			-			-
	+	•	•	•	⊢				-		Н	Н		_
Development Systems International	+-	•	•	•	-		Н	-	$\vdash$	-		Н		H
Dexel Systems Corporation	+-	•	-	-	-		-	-	$\vdash$	-	-	Н		-
Dial, D.H. & Company		-	+-		•		-	⊢	H	-	$\vdash$	-		H
Dialog Information Services, Inc.	-	•	-		•	•	-	-	$\vdash$	-		•	•	H
Dialogue Inc.		-	-	•		•		-	$\vdash$	-	-	-	Н	H
Digicon Inc.	•	•	₩	•	-	-	•	⊢	_	_	-	H	Н	H
Digidat Systems Inc.		-	$\vdash$		⊢	-	_	⊢	-		-	-	Н	H
Digital Datacom Inc.	+	-	-	•	⊢	-		⊢	-	-	-	-	H	H
Digital Equipment Corporation	+		•	•	⊢	-		⊢	-	$\vdash$	-	$\vdash$		-
Digital Information Systems Corp. (DISC)	+	•	-	-	-	-	-	⊢	-		-	$\vdash$	-	-
Digital Marketing Corporation	+	+-	⊬		⊢		-	-	$\vdash$	-	-	-		H
Digital Microsystems	-	•	-	-	-			-	-	-	$\vdash$	-		H
Digital Research Inc.	-		-		-	•	-	⊢	$\vdash$		•	-		H
Digital Resources Corporation		+-	•	•	-	-		⊢	-	•	•	-		H
Digitgraph Computers Systems Co	•	+	-	-	-	-	-	⊢	-	⊢	-	⊢		H
Dimension Systems Corp	-		-	•	-	-	-	-	-	-	-	-	-	H
DIMIS, Inc.	-	•	-	•	┼	┡	_	⊢	-	$\vdash$	-	┡	-	ŀ
Direct Merchandising Services	•	1	-	<u> </u>	├-	-	-	⊢	-	⊢	-	⊢	-	H
DIRECT, Incorporated	+	1	-	•	1	-	-	⊢	-	-	-	1	-	+
Directions Inc	-		╄-	╙	-	┡	_	-	↓_	⊢	-	-	-	1
DISC, Inc.	_	•	-	1	-	⊢	_	┡	-	⊢	-	-	-	╀
Display Data Corp	_	-	1		┼-	⊢	-	⊢	┝-	⊢	-	-	-	H
Distributed Systems Corp.	$\perp$	•	•	•	1	⊢	-	╄	-	-	-	-	├-	ł
Distribution & Retail Systems Division	_		+	-	+	-	-	-	-	-	$\vdash$	⊢	-	H
Distribution Management Systems Inc.	-	-	+		-	-	-	-	-			-		+,
Distribution Sciences Inc.		-	+	6		•	-	-	-	-		-	-	+
Diversified Computer Systems	-	•	-	•	-	-	-	-	-	+	-	-	-	+
Diversified Data Resources, Inc.	-		-	-	+	-	-	-	-	-	-	-	-	+
Diversified Data Systems Inc.	-		-			-	-	-	-	-	-	+	-	+
DOSE Pharmacy Systems	_	•	-			-	-	+	+	+	-		-	+
Dow Jones Information Services Group														

CAMP COMPUTER SERVICES INDEX		COM	PUTE VICE	R S	PRO	MOD	SING E	P	ROC'E TY	SSIN PE	(G	REMOTE COMPUTIN		
SERVICE AVAILABI COMPANY NAME	FROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Drafting Dynamics		t		•	$\vdash$		T	$\vdash$			Г			T
Dubuque Data Services			1	•	•	•		Т					•	T
Dun & Bradstreet Computing					•		$\vdash$	$\vdash$				•	•	•
Oun and Bradstreet					•		Т							T
Duquesne Systems Inc.						<u> </u>	Т	Т	Г			Т	Г	T
Dvorkovitz, Dr. & Associates			$\top$		•		Т					Г		•
Dyatron Corporation				•	•	•								T
Dyer, Wells & Associates						$\vdash$		$\vdash$		Г		Т		T
DYLAKOR			,	1	T	T		T				Т		T
Dynalectron Corporation		1	•		$\vdash$	$\vdash$		t				$\vdash$		T
Dynamco Data Systems				T		$\vdash$	$\vdash$	1	1			$\vdash$	$\vdash$	t
Dynamic Control Corporation			,			1	$\vdash$	Т	_			1		t
Dynamic Data Processing Inc.	•			•	•	•	•	T	•	•	_	•	•	T
Dynamic Microprocessor Associates, Inc			1	Т	1			Т				Т		T
Dynamicro Software Corp. (DSC)			1	Т	Т	Т	Т	Т		Т	Г		Т	T
Dynamics Research Corporation	•				•	•		$\vdash$						T
Dynax Resources, Inc.					1			$\vdash$						T
E.H.C. Data Group	•			1	1		$\vdash$					$\vdash$		Т
EBS Data Processing Inc.				•	•	•	$\vdash$		_			1		T
EDP Corporation, The					Т	Т		1		_	1	1	1	T
EEC Systems			•		$\vdash$	<b>†</b>	$\vdash$	$^{\dagger}$				$\vdash$		t
EECO Computer Inc		$\top$						$\vdash$				Г		T
EFT Data Services, Inc.		1		$\vdash$	•	Т		T		•	•	•	•	T
EMA, Inc				T				$\vdash$						T
ERG Software, Inc.			7									$\vdash$		T
ESE, Inc.	•		$\top$	T	Г	Т		Т				$\vdash$		T
ESI	•		•		•			Т				$\vdash$	$\vdash$	T
ETA International, Inc.			•	•	Т	Т	Т	Т				$\vdash$		T
Eagle Computing Corporation		1	$\top$		Г	1		Г						T
Eagle Systems	•													
Eastern States Bankcard Associates	•				•	•		Π				•		
ECOM Associates, Inc														
Economic Information Systems Inc	•													
Economic Technology Association (ETA)														
EDU-Ware Services, Inc	•													Γ
Educational Methods, Inc	•		•		•									
Electrocon International, Inc.			•	•				Γ						Г

CAMP COMPUTER SERVICES INDEX	,		UTE /ICES		PRO	CESS	SING E	PI	ROCE TY		G		EMOT IPUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Electron Information Systems	•	$\vdash$	•		•	•						Н		_
Electronic Banking Systems	+		•		ř	Ť		$\vdash$				H		_
Electronic Data Systems Corporation		•	•	•	-		•							
Electronic Office Software	-	•	-	-	-	-							-	
Electronic Tabulating Corporation		•		•	$\vdash$	•	-	-				Н		_
Elke Corporation	-	•	•	•	$\vdash$	Ť						-	-	_
Embassy Institute, The			Ť	Ť	$\vdash$			-			_	-	_	
Empire Computer Software		•	-							-		П		Г
Employee Communication Services Inc.		•	•	•		•			_			$\vdash$	$\vdash$	1
Endata, Inc.		•			-	-			$\vdash$			$\vdash$		r
Energy Analysts Inc		Ť	Ť	Ť	$\vdash$	-			$\vdash$		_	Н	_	
Energy-Tek Software				-	-					-				
Energy, Inc.		•	•	•	•				•			•	-	Г
Enertec Inc.			1		$\vdash$					•		Г	-	Г
Engineering Systems Corporation		•	$\vdash$											Г
Enterprise Computer Systems		•	$\vdash$											Г
Environmental Systems Research Institute			•	•				Т			_			Г
Epic Computer Products Inc			_	•										Г
Equifax Inc.		$\dagger$		•	•	•						•		Г
Equitable Trust Bank		$\vdash$	T	Г	Г	Г								Г
Erisco Inc.			•	T	•	•		T				•	Т	Г
Ernst & Whinney			•											Г
Escom, Inc.			•	•	•			$\vdash$				•		Г
Essential Software														Г
Essex Corporation				$\Box$										Г
Evaluation Planning Systems International, Inc (EPS)		•	•	•				Г						Г
Evans & Sutherland		•					Г	Г						Г
Evergreen Geophysical Associates Inc														Г
Exchange Service Management Corporation														
EXECUCOM Systems Corporation		•												
Executax, Inc.	•													
Executec Corporation		•												
Executive Compumetrics		•	•											L
Executive Systems, Inc.		-			•	•								
Executive Technology Data Systems (ETDS)		•		•										
Exploration Processing Corp	•													
Explorer Seismic Services		1	1		1			1						

CAMP COMPUTER SERVICES INDEX		COM SER	PUTE VICES	R	PRO	CESS 10D	SING E	P	ROCE	SSIN PE	G	COM	MOT	INC
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Express Software	-	t	$\vdash$	$\vdash$	$\vdash$	_	Н	T	-		Т	_		Т
F.A.C.S.		+-		-	•	-	_	$\vdash$				•		Н
FBM Systems Inc.		-	۲	$\vdash$	Ť			1		-	-	Ť	_	H
FTW Associates, Inc.		•	$\vdash$	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	-	$\vdash$		H
Factory Systems	_		+		-		$\vdash$	-	$\vdash$			-		H
Fair, Isaac Companies	-+	۲	•	Ť	-		$\vdash$	$\vdash$			-	$\vdash$		Н
Fairfield Data Processing		+	Ť		$\vdash$			-		$\vdash$	_	_		Н
Federal Data Corp		+			$\vdash$			-	_		-	-		H
Federal Electric Corporation	-	╁	•	Ť	-	_		$\vdash$	-		$\vdash$	$\vdash$	-	Н
Ferox Microsystems, Inc.	_	•	•	•	$\vdash$	-	$\vdash$	$\vdash$	-	1	$\vdash$	-	-	Н
Fidler Bateman		-	۲	•	$\vdash$	-		$\vdash$	-			$\vdash$	-	H
Fields Financial Services Inc		-	+-	۰	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$			$\vdash$		H
Figgie Systems Management Group, Inc.						•	-	$\vdash$	$\vdash$	-		$\vdash$	$\vdash$	H
Financial Data Services		•	۳	-	-	-	-	$\vdash$	-	-		$\vdash$	$\vdash$	-
Financial Decisions Systems, Inc.		-	+	-	-	-	-	$\vdash$	-	-	-	$\vdash$	_	H
Financial Institution Services, Inc.		-	+	-	•	•		$\vdash$				•	$\vdash$	•
Financial Interstate Services		-	+	$\vdash$	-	•	-	$\vdash$		-	-	-	$\vdash$	ř
Financial Interstate Services Financial Services, Inc.		-	╁	$\vdash$	-	•	-	$\vdash$		$\vdash$	•	•	$\vdash$	
Financial Software Inc.			+-	$\vdash$	$\vdash$	-	$\vdash$	+-		$\vdash$	-	-	$\vdash$	H
Financial Software Inc. Financial Software of America		-	+-	-	$\vdash$	$\vdash$	├	⊢		$\vdash$	-	-	-	H
		+-	+-	-	$\vdash$	•	-	-	-			•	-	
Financial Systems Consultants			╀	-	-	•	╀	-	-			-	-	⊢
Finar Systems Limited		-	+-	$\vdash$		•	⊢	⊢	-	-		H	-	H
Finserv Computer Corporation First City Services Company	-	-	+	$\vdash$	-	•	-	⊢	$\vdash$			⊢	-	H
			+-	$\vdash$	-	•	-	⊢	$\vdash$		$\vdash$	•	-	H
First Computer Corporation			+	$\vdash$	-	-	-	⊢	$\vdash$		$\vdash$	-	-	H
First Computer Services, Inc			•	$\vdash$		-	-	⊢	$\vdash$		-	├-	-	H
First Data Management Company First Data Resources, Inc.		_	•	-	-		$\vdash$	$\vdash$	-	-		⊢	-	H
					-	-	-	-				-	-	
First National Corporation of Appleton First Systems Corp	-		-	-						-	-			-
First Systems Corp Five Technology, Inc.	-+	-		•	-	-	-	1					-	-
Fleet Information, Inc.	-		-	-		•		-	-	-		•	•	-
Fleet Information, Inc. Fleet Management Systems, Inc.		-		-	1	-	-				-	-	-	-
Florida State University Computing Center		-	_	-			$\vdash$		-					
Flow General, Inc.		+-	+-	+	-		-			-	-	-	-	
Flow General, Inc. Fong Gifford Associates			-	+	•	-	-	-	-					-
rong Official Associates	-	1	-	+-	1	-	$\vdash$	-	-	-	-	1		-

Ford & Associates, Inc

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS MODI	E	P	ROCI TY	PE PE	G	CON	EMO IPU1	TE
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	20.00.00.00
Foresight, Inc.		•	•	•	$\vdash$	-	-	$\vdash$				$\vdash$	-	t
Forest Computer Inc			Ť	-	-					-		-	-	t
Foretax		-		-					-	-	-	-		t
FORTH, Inc.			•	•								-		t
Fox & Geller, Inc.		-	-	-	-			-	-	-				+
Frey Associates, Inc.	_	Ť	•		-	$\vdash$	$\vdash$	$\vdash$	-	-	-	$\vdash$	$\vdash$	t
Frey Federal Systems Corporation		+	•	Ť	-			$\vdash$		-		$\vdash$	$\vdash$	t
Frey, Donald R & Co			•	-			-	$\vdash$	-	-	Н	$\vdash$		t
Friends Software			۳	-				-	-		-	-		t
Friesen International, Inc.		•			$\vdash$			$\vdash$		-		-		t
FundsNet, Inc.		-	۳	-	-	-		$\vdash$		_		$\vdash$	$\vdash$	t
Fusion Products			-	-	$\vdash$	-	$\vdash$	$\vdash$		-	-	-		t
G. T. Software, Inc.		•	-	$\vdash$	-			$\vdash$		-	-	-		t
GAI California, Inc.		۳		$\vdash$	-			$\vdash$		$\vdash$	-	-		t
GMD Systems International Inc.	-	+-	•	$\vdash$	-	$\vdash$		$\vdash$		-	$\vdash$	-		t
GMS Systems, Inc.			•		-	-		•		$\vdash$	-	-	$\vdash$	t
GTE Telenet Communications Corporation		Ť	۲	Ť	$\vdash$	-		-			-	-		t
GTECH Corporation		+		•	$\vdash$	$\vdash$	-				-	$\vdash$	-	t
GWP Corporation		+	Ť	•	$\vdash$	-	-	$\vdash$	$\vdash$		$\vdash$	-		t
Galler Automation Industries Inc.	_			Ť	-	$\vdash$	-	-	$\vdash$		-	-	-	t
Galler Hospitality Systems Inc.		۳	۲	•	┢		-	-	-	$\vdash$		-	-	t
Gamma Systems Services				-	-		•	-	+-		$\vdash$	$\vdash$	-	t
Gancom Inc.	-	+	•	•	•		-	$\vdash$	-	_		•		t
Garner Venture Computing		۲		Ť	•			+-	+-	-	$\vdash$	•		t
Garrett Computing Systems Inc.			Ť	$\vdash$	۲	Ť	-	$\vdash$	$\vdash$	-		<u> </u>	Ť	t
Geac. Inc.		۳	+		+-			$\vdash$	+-		$\vdash$	$\vdash$		t
GEJAC Incorporated	-			+-		1		$\vdash$	$\vdash$			•	-	†
GENASYS Corporation	- 1-	۲		$\vdash$	Ť	1		✝	+			+		t
Genasys International			_											t
Genelco, Inc.		-	-	$\vdash$			-			-				t
General Automation, Inc.		-	1		-	-	-						-	t
General Computer Corporation			+	•										1
General Construction Data Systems,Inc			1	•	-							1		1
General Contractor Data Systems, The			1	•	1									1
General Electric CAE International, Inc	•	-		É		•	1		1			•		1
General Electric CAE International, the			•		Ť	1	1			1		1		1
General Electric Professional Services Company	_	+	10	+	1	-	1		-	-		1		+

AMP COMPUTER SERVICES INDEX	'	COM	PUTE VICES	R		CESS 4ODI		PI	TY		G		MOT	
SERVIC AVAILAB COMPANY NAME	ES LE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
General Physics Corporation					Т			П						
General System Sciences			1											Г
General Systems Group, Inc.		$\top$	•									П		Г
Generated Systems, Inc.														
Genesee Computer Center, Inc.				•		-								
Genesistems, Inc														
Genesys Software Systems, Inc														
Genigraphics Corporation		T	•	•										
Geo Data Corporation	•													
Geo-Search Seismic Processors		Т												Г
Geobased Systems, Inc														Г
Geodynanmics Incorporated		$\top$	T											
Geographic Systems														
Geophysical Computing Corp	•													
Geophysical Systems Corp	•												_	
GeoQuest International Inc.				•										
George Goode & Associates														L
Geoscience Petroleum Services Corp	•	-		L	L									L
Geosource Inc.	•					•								L
Gerard Systems, Inc			_		L	_	L						_	L
Gerber Scientific, Inc.		•	_	•	_		L							L
GESCO Corporation		•	-	_			<u> </u>					_	_	L
Gilbert Associates Inc.	•	_		L		_	┖	_						L
Global Computer Systems Inc			_		_		_	_	_			_		L
Global Data Corporation/DFA	•	•	_		•	•	•	•	_	_		•	•	•
Global Data Corporation, Inc.	•	$\perp$	•	•	_	_	_	_		_		_	_	L
Global Data Midwest Corp	•	-		_	_	_	-	_	_			_	_	┡
Global Data/CSD			-	•		_	-	_						L
Global Software			_	•		_								
Gnat Computers														-
Goal Systems International Inc Goldbrick Inc.			_											-
Goldbrick Inc. Gottfried Consultants		-	•											-
Government Systems Group			-				$\vdash$							-
Gramco Inc.		-	_	•		•		•						
Graphic Arts Data Service	•	-	-	-		•	-	-						
Graphic Software Systems						-								

CAMP COMPUTER SERVICES INDEX		COM	PUTE	ER S	PRO	MOD	SING E	P	ROCI	ESSIN PE	√G	R CON	MPU1	TE
SERVICES AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Graphics Concepts, Inc.	_	•		•								-		Г
Graphics Technology Corporation	_	+-	+	•	-	-	-	Н				-	-	-
Great Divide Software			+-	۲	-	-	-	-						
Great Lakes Information Systems Ltd.	-		1	-	-	-	-	-	-		-			-
Great Plains Software, Inc.	-		+-	$\vdash$		$\vdash$		Н		$\vdash$		$\vdash$		H
Greer Sontag Associates Inc.	-		+		•	$\vdash$	-	Н		-	Н		-	۲
Gregg Systems Corp	-		+	-	۰	$\vdash$	$\vdash$	Н			Н	Ť	Н	r
Groundstar Software	_	•	+	-	$\vdash$	-	$\vdash$	Н		Н	-	Н	Н	r
Group Operations, Inc.		•			$\vdash$	-	$\vdash$	Н			Н	$\vdash$		۲
Grumman Data Systems Corporation				۰	•	-	-			Н	Н	•	Н	r
Gull Resources Management Systems, Inc	-1-	+	۲		-	-	$\vdash$	Н			Н	ř		۲
H & A Computer Systems Inc	-	•		•	-	$\vdash$	-	Н	-	Н	-	-	Н	r
H & W Computer Systems	_	•	۳	-	-	-	-	-	-	Н	-	$\vdash$	Н	H
HAI	_	•			-	-	-	Н		-	Н	-		r
HAI Computer Services			۲	Ť	•			Н		Н	-			r
HBO & Company		+-	+		٠	$\vdash$		Н		Н		Ť	Н	Г
HK Contractors, Inc.			+	Ť		$\vdash$		Н		Н		$\vdash$	-	r
HW Systems, Inc.			+		•			Н		•	•	_		H
Hadron Inc.		+			-			Н		Ť	Ť			r
Hal Systems & Services	-			۲		•		•		Н	•		•	H
Hallahan, G.W. and Co Inc.		•	-		۰		$\vdash$	Ť		Н		Ť	Ĕ	r
Haney & Associates		-				$\vdash$		Н	Н	Н		-	-	r
Hansen, H.J. Co.			۲		Ť		$\vdash$			Н				r
Harfax Database Publishing		-		-	$\vdash$			Н		Н				r
Harris & Paulson Inc.		-	-			•		Н		-		-		r
Harris Data Service Inc.		-		۲	۲	Ť	ř	Н			•		-	r
Harris Information Systems, Inc		•		•			$\vdash$		-			$\vdash$		r
Harris Publishing Company	-		۲	Ť				Н			Н	Н		Г
Hart Systems Inc.		_	+	$\vdash$				Н		Н		-	-	Γ
Haverly Systems Inc.					•	-	-				-	•	•	Γ
Hawkeye Grafix			Ť	1	-									r
Hayden Publishing Software			1											Ī
Health Information Systems Inc. (HIS)		Ť			1	-								Ī
Health Systems Institute of Maine			•	•			•					•		Ī
Heights Information Technology Service, Inc.			•											Ī
Helm Data Processing Inc.						•								Ī
Hemenway Corporation						_	1							٢

AMP COMPUTER SERVICES INDEX	1	OMF SERV	UTE	R	PRO	CESS 40DI	SING E	PI	ROCE TY	SSIN PE	G	COM	MO1	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Henco Research	+	•					Г	$\vdash$						
Henry, Jack & Associates		•	-	$\vdash$		$\vdash$		Г	_					
Heritage Computer Corporation		•			•	•		Т	$\vdash$		П	•	•	
Ierring Associates, Inc	-		Ė											
Jeuristic DataSystems, Inc.	•	•	•	•										
Hewlett-Packard General Systems Division		•	•	•										
ligh Technology Software Products,Inc		•						Г						Т
ligher Order Software, Inc.	$\top$	•						Г						
Highlanders Systems, Inc	_	•					$\vdash$							
Higley & Company, Inc.		•	•				$\vdash$	Т					Г	Г
Hilltop Enterprises, Inc.		$\vdash$		•	Г		Т	Г						
Hogan Systems, Inc.	_	•	$\vdash$	-			1	Г					$\vdash$	
Holland Systems	_		$\vdash$	_		Т		1			-	Г		Т
Holmes & Shaw Inc.					•	•	$\vdash$							
Honeywell Inc.		•	•		•		T	Г						
Horizon Software Systems	-	•					$\vdash$					П		Т
Hospital Data Services		•	•	•	•	•	$\vdash$				•		•	T
Hotze, James B. Company	_	+	•										_	T
Houghton Mifflin Company			_			•	$\vdash$	T						
Houston Data Center Inc.	0	Ť	-	•	•	•	$^{\dagger}$					•		
Houston Engineering Research Corporation	-	$\vdash$	•					1				Т		
Houston Information Systems Inc			Ė		•		$\vdash$	$\vdash$	-	•	•	•		$\vdash$
Houston Processors Inc			$\vdash$									Г		
Hudson Soft Inc.	_		$\vdash$			_		$\vdash$		$\vdash$				
Humatix Business Systems Inc.	+		<del>                                     </del>				$\vdash$							
Junter & Ready Inc.			$\vdash$	$\vdash$				$\vdash$						T
BM Information Network					•	$\vdash$						•	•	
CS Group			•		Г									
DSI			$\vdash$	•			Т							
E Systems Inc	$\top$		T-											
FA Computer Services Inc.				•		•								
MI Systems			•											
MS Marketronics	•				•									•
MS Systems Corporation	•				•	•								
TT Dialcom, Inc.	•	•	•		•		•	•				•		•
-Concepts, Inc								1	i -					1

Iconix

CAMP COMPUTER SERVICES INDEX	1	COM	PUTE VICE:	R		OCES MOD	SING	Р	ROCI TY	ESSI!	NG		EMO MPU	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	D. T. D. C.
Kier Technology	$\top$	T		•		Г		$\vdash$				Г		t
Illinois Micro Inc			$\vdash$					$\vdash$	_	_	-	Н	$\vdash$	t
In-Situ Inc			•	•			$\vdash$	$\vdash$		-	-	-		t
Incepts, Inc.	_	$^{\dagger}$	•				$\vdash$	$\vdash$			-	г	1	t
INCO Inc.		1	•	•						Т				t
Inconographics, Inc.		Т	•		Т									Ì
Indecon Inc.	$\top$	$\vdash$	•		_		$\vdash$	$\vdash$				Г		t
Independent Computer Systems (ICS)	$\top$						1	✝						t
Independent Tax Corporation (ITC)						•						П		t
Index Systems Inc.			•				$\vdash$	_				$\vdash$		t
Info Systems of North Carolina Inc.	$\top$		•			$\vdash$	1	1				$\vdash$		t
Infodata Systems Inc.	$\top$									$\vdash$				t
Infographics Inc		Т		•	Т					_		$\vdash$		t
Infomark, Inc.				•										t
Informata Landex Systems				•										t
Informatics General Corp	•		•	•	•		•	П						Ī
Information Access Corp.	•	•			•		Г							Ī
Information Builders, Inc.		•												Ī
Information Handling Services		Г				•								I
Information Management International	•	•	•		•	•						•	•	I
Information Management Technologies			•											I
Information Management Software Specialists, Inc.		•												
Information People Inc, The			•	•								L		
Information Plus, Inc		•	_		L			L				L	L	1
Information Processing Corporation		•				L		L		L		L	_	1
Information Processing Inc.		•	<u> </u>	_	_	_	_	L		_	_	_	_	1
Information Research Associates		•	•					_		L				1
Information Resources Inc.			╙	L		•	_	L		•	•		_	1
Information Resources Ltd		•		-	_	_								1
Information Science, Inc.	•	•	•	•	•	•	-	-	-	_		•	-	1
Information Systems Inc.	•	-	-							•	•	-		1
Information Systems Inc.	•	-			•	•	_	-				•		1
Information Systems of America, Inc. (ISA)	-	•	•	-	_							-	-	1
Information Unlimited Software Inc. (IUS)	-	-			-	-	-	-	-	-	-	-	-	1
Inforware Systems, Inc (ISI)				-		-	-	-			-		-	1

AMP COMPUTER SERVICES INDEX	-   '	SERV	UTE/ICES	R	PRO	CESS	ING	PI	TY	SSIN PE	G	CON	MO1	TE INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Infotecs		Г		•										
nnosys, Inc.		•	•		Г									
nnovation Data Processing, Inc.		•												
nnovative Software, Inc.		•												
Input Output Computer Services		Т	•		Г									
Input Services, Inc.		П	Г		•									
Insight Software Systems		•	П	Π	Г									
Inslaw, Inc	•		Г			Г		Π						
Insoft		•												Γ
Instant Software, Inc		•												
Institute for Software Engineering (ISE)		Т	•	Г		Π								
Institute of Modern Procedures		П	•		•		•	Г						
Insurance Information, Inc		Т		•	Г									
Insurance Servicing & Information Systems Corp.			•	•	П	Π		Γ						
Integral Business Computing, Inc.			•	•	Г		Г	Г						
Integral Systems, Inc. ISI			•											
Integrated Automation Inc.			•	•	Π									
Integrated Office Concepts Inc.			•		Г	Г	Π	Г						Г
Integrated Planning														L
Integrated Software Systems Corporation (ISSCO)			Г		Г									Γ
Integrated Systems Group Inc.			•	•		•		I						
Integrated Systems Management	•		•		•	•								L
Intel Systems Corporation			•					L				L		L
Intellectron International, Inc.	•													
Intelligence Interlink Corporation			•	•									L	L
Intelligent Industrial Systems Inc		L	•									_		
Intellimac Inc								L			L	L		L
Inter-Care	•	+-	-					L	_	_	┖	•	L	L
Interactive Applications, Inc.	•	-	-	L	╙	L	•	_	╙	╙	•	•	╙	L
Interactive Computer Modelling Inc.	_		-			-	_			-	_	_		L
Interactive Information Systems, Inc.			-	1		-				-				1
Interactive Information System Inc.		-		•	-	-		-		-				1
Interactive Logic Inc.			-	-	1	-	-	-				-	-	1
Interactive Management Systems, Inc. (IMS)		-			•	-		-	-		-	-		1
Interactive Market Systems, Inc.		+	•	-	-	-	-	-			-	-	-	+
Interactive Software Inc.					1	1		1	l					

CAMP COMPUTER SERVICES INDEX		COM	PUTE	R	PRO	CESS	SING E	P	ROCE	SSIN PE	G		MOT IPUT	
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	2012121
Interactive System Corporation		•	$\vdash$	•	Н									r
INTERACTIVE Systems Corporation				Ť	$\vdash$	Н		Н			Н			H
Intergraph Corporation		Ť			-									-
Intermetrics, Inc.		+	•	•	-									H
ntermountain Health Care, Inc		╁╌	۱Ť	•	-	-	Н	-		Н	Н	Н		ŀ
nternational Business Machines				-	•	Н	Н				Н	Н		ŀ
nternational Business Services Inc.		+-		•	F	_		Н			-			H
nternational Computaprint Corporation		+-	1	_		•	-	-					-	H
nternational Computer Systems		+	+	•		•		Н		Н	Н	Н	$\vdash$	r
nternational Computing System		+	+	-	Ť	Ť	-		-		-	Н	-	H
International Graphics		+	+	•	•	•							-	H
International Micro Systems Inc.			+	•	۳	Ť	Н	Н		-			-	H
International Programming Labs			+	Ť	$\vdash$	$\vdash$	Н	$\vdash$		Н	Н	H		H
Interpretive Data Systems		۲	•	-	•	$\vdash$	Н	-	-	-		•		ŀ
Interpretive Data Systems		+	•	•	•			-	-		•	H		ŀ
Interstate Computing & Software Corporation			-	Ť	Ť	Ť	•	•		-	•	Ť	Ť	H
Intertel Inc	- 1	•	-		┢	_	Ť	Ť	-		-	Н	-	H
Investment Computer Services Inc		•	-	Ť	$\vdash$	$\vdash$	-	┢╾	-	-		Н		H
JBS Associates, Inc.		۲	+			-	$\vdash$	-	-	-			•	t
JEM Associates	-		+	-	ř		$\vdash$	Н	Н	Н	-	Ĭ	Ť	H
JL Consulting Services, Inc	_		-		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	-	-		ŀ
JMI Software Consultants Inc.	_	•		-	$\vdash$	-		$\vdash$	$\vdash$	Н		H	-	H
Jackson Seismic Processing Inc		Ť	+		$\vdash$		-	-	-	Н	-	$\vdash$	-	t
Jacobsen & Associates					•		-	•	-				$\vdash$	t
James, Fred S. and Company		•		•	•	•	-	•	$\vdash$	H	•	•	•	t
Jini Micro-Systems, Inc	-1-		+	-	-	-		-	$\vdash$	-	Ť	Ť	ř	t
Johnet, Inc		+	+	$\vdash$				$\vdash$	$\vdash$			$\vdash$	-	t
Johnson Systems Inc.			+-	$\vdash$	۲		-	$\vdash$		Н	Н	$\vdash$	-	t
Johnston Brown & Associates Inc (JBA,Inc)		-			-			-				-		t
Jones/Hosplex Systems, Inc	•		-		-		$\vdash$	-	-			$\vdash$		t
K & R Custom Software Inc		•	+-	-				-				$\vdash$		t
K & S Data Services, Inc.		1	-	-		-				-			-	t
KDK Enterprises, Inc			-	-	1									t
KGA Engineering Inc								-						t
K.H. Little, Inc.		+			1	-	-	-						t
K-Squared Systems		1	1	•	-						-			t
Kanawha Valley Data Control, Inc.		+		Ť	1	-				-	-	-		t

CAMP COMPUTER SERVICES INDEX		SERV	UTE /ICES	R	PRO	CESS MOD	SING E	PI	ROCE TY	SSIN PE	(G		MO1	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Kappa Systems Inc.	•	•	•											П
Kates Komputers		•												
Keane, Inc.		T	•				•							
Kearney, A T			•					Г						Г
Kearns, Robert J., Inc.						•								
Kebert Corporation	•	•												Г
Kennedy & Coe		•	•		•	•		•			•			Г
Kentron International Inc.		•	•		•		-					Г		Г
Key Data Services Inc.						•								Г
Keydata Corporation		Т			•						•	•		Г
Keydata Systems Inc.		•	Т	Г				Г						Г
Keypunch & Systems Support, Inc.						•								Г
Keystone Computer Associates Inc.		•	•											Г
Kidd International Data Processing														Г
Kimbrough Computer Sales, Inc.		•	•											
Kirchman Corporation		•	•	•		•	•							Г
Knuth Computer Services Inc		•	•										Г	Г
Krell Software Corp														Г
Krohm International, Ltd		•												Г
Krown Computing		•	$\vdash$											Г
L.D.M. Inc.						•	•							Г
LCS Data Processing Inc.						•								Г
Laidlaw, Richard E. Inc.														Г
LAN Systems, Inc.		•	•	•										Г
Landart Systems, Inc.		Г	•											Г
Lantor Information Systems		•											,	Г
Lavan Systems Inc		•												Γ
Lawson Associates		•	•											
Learmonth & Burchett Management Systems Inc (LBMS)			•											
Learning Company, The		•												
Leasing Consultants		•												
Legal Data Systems	•	•												
Levi, Ray & Shoup Inc.	•	•	•		•	•	•	•				•	•	•
Libra Technology Group		•	•	•										L
Lifeboat Associates Inc.		•			_			_			_	_		
Link Systems		•												
Linton, Shafer & Co		•	•	•										L

CAMP COMPUTER SERVICES INDEX		SER	VICES	R	PRO	CESS	ING	Pi	ROCE TY	SSIN PE	G	CON	MO 1PU1	TE
SERVI AVAILA COMPANY NAME	CES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	Diffibion
List Processing Company, Inc.					•	_				_			_	t
Little, Arthur D., Inc.		۲	•		Ť	$\vdash$		Н				Н	_	H
Litton Computer Services		+	Ť		•	-		Н			Н			H
Litton Industries, Inc.			•	•	ř	-						Н		t
Litton-Mellonics		۲	•	-	•	_	-	Н		_		Н		t
Lockheed DataPlan Inc		+	Ť		Ť	-								t
Lockwood Association Inc, The			•			_								t
Logic Extension Resources		•	Ť		Н	-							_	-
Logic Inc.			•		_	_					Н		-	t
Logica Inc		•	۳	$\vdash$	-	$\vdash$				$\vdash$	Н			t
Logical Design Corp.			1		_	-							_	t
Logical Software Inc			$\vdash$		Н	-				_				t
Logicon Inc.		Ť			$\vdash$	-					Н	Н		t
Logistics Systems	•				Н	-		-				Н		t
Logos			1			-						П		t
Lone Star Software Inc			_			Т								t
Loris Data Associates Inc			_		$\vdash$									t
Lotus Development Corporation			$\vdash$											t
Loud Consulting Corp	•		•	•						_				t
Lowenthal Programming Corporation		+			Т									t
Lowry, James H & Associates		$\vdash$		_	Т		-				Т	_	_	t
Lupfer & Long, Inc.			Ť	_	$\vdash$	-								t
Lynch Data Processing	•	1	$\vdash$		•	•						•		t
M.W.L. Inc			$\vdash$		Т									t
M/A-COM Sigma Data, Inc.		$\top$		•	•							Г		t
MBS Software				•								$\overline{}$		t
MCBA									$\vdash$			$\Box$		t
MCRB Service Bureau		$\top$			•	•		Г				•	•	t
MCT Information Systems, Inc.			$\vdash$	•	Г			Т						t
MD-Dexel Systems Corp			$\vdash$								$\overline{}$	$\overline{}$		t
MDC Systems Corp	•			•										Ť
MDS Lawtime				•										T
MDS Soft Pro System		•												T
MDS, Inc.	•					•				•	•			Ī
MHT Services Inc.														T
MIPS Software Development Inc.														T
MIS Associates														Ť

SERVICES AVAILABLE  SERVICES AVAILABLE  SUDJECTION SUBJECTION  COMPUTER SERVICES INDEX		OMP	UTEI	R	PRO	CESS 10DE	ING	PR	OCE:	SSINO PE	3	RE COM	MOT	E ING	
MNC Associates  MNC International, Inc. Micro Network Division  MNSI Group Inc., The  MVSE Software  MacDonald Computer Systems  MacNeal-Schwendler Corporation  Macro Corporation  Macro Corporation  Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mailhouse, Inc.  Mainagement Corporation  Mamba Inc  Management & Computer Services Inc.  Management & Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Dospotation  Management Divections, Inc.  Management Decision Systems Inc.  Management Divections, Inc  Management Divections, Inc  Management Divections, Inc  Management Divections, Inc  Management Divections, Inc  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Managem		PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
MNC Associates  MNC International, Inc. Micro Network Division  MNSI Group Inc., The  WYSE Software  MacDonald Computer Systems  MacNeal-Schwendler Corporation  Macro Corporation  Macro Corporation  Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mainstem Corp  Mamba Inc  Mamagement Corporation:  Management Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Data Communications Corporation  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science Inc  Management Systems Consulting Services  Management Systems Scoulates  Management Systems Scoulates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems Sociates Inc.  Management Systems S	MIS Inc	•				•	•	•				ヿ	$\neg$	•	
MNSI International, Inc. Micro Network Division  MPSI Group Inc., The  MacDonald Computer Systems  MacDonald Computer Systems  MacDonald Corporation  Macro Corporation  Maginum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mailhouse, Inc.  Mailhouse, Inc.  Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management & Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Deconstructure Systems Inc.  Management Deconstructure Systems Inc.  Management Deconstructure Systems Inc.  Management Decision Systems Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems Group, Inc. (MISG)  Management Decision Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Systems of Wausau Inc.  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.  Mann Data Inc.			-	•						$\neg$					
MPSI Group Inc., The  MVSE Software  MacDonald Computer Systems  MacNeal-Schwendler Corporation  Macro Corporation  Macro Corporation  Magic Corporation  Magin Corporation  Magin Corporation  Magin Corporation  Magin Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mailhouse, Inc.  Management Corp  Mamba Inc  Management Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Domputer Services, Inc.  Management Computer Services, Inc.  Management Tomputer Services, Inc.  Management Tomputer Services, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Information Systems Group, Inc. (MISG)  Management Decision Systems Group, Inc. (MISG)  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Systems Sociates  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Ma		-	•		•					$\neg$	$\neg$				_
MVSE Software         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●			-	•		Н				$\neg$	$\dashv$				_
MacDonald Computer Systems  MacNeal-Schwendler Corporation  Macro Corporation  Magin Comporation  Magin Comporation  Magin Comporation  Magin Comporation  Magin Computer Services Inc.  Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Domputer ons, Inc.  Management Descriptions, Inc.  Management Directions, Inc.  Management Science America, Inc.  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems of Wausau Inc.  Management Systems Orsulting Services  Management Tystems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.  Mann Charles & Associates Minor Software Division				Ť	_	Н	-	=	-	$\dashv$	$\dashv$				
MacNeal-Schwendler Corporation  Macro Corporation  Magic Corporation  Magic Corporation  Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Desion Systems Inc.  Management Desion Systems Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Directions, Inc  Management Directions, Inc  Management Science America, Inc.  Management Science America, Inc.  Management Systems Consulting Services  Management Systems Sasociates  Management Systems Sasociates  Management Systems Sociates  Management Techniques, Inc.  Management Techniques, Inc.  Manager Software Products Inc.  Mannager Software Products Inc.  Mann Data Inc.  Mann Data Inc.  Mann Data Inc.			_					-		-	$\dashv$	$\dashv$			_
Macro Corporation  Madic Corporation  Madic Corporation  Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mainstern Corp  Management Corp  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Description Systems Inc.  Management Description Systems Inc.  Management Description Systems Inc.  Management Description Systems Inc.  Management Description Systems, Inc.  Management Description Systems, Inc.  Management Description Systems, Inc.  Management Description Systems Group, Inc. (MISG)  Management Directions, Inc  Management Science America, Inc.  Management Science Since  Management Science Since  Management Systems Associates  Management Systems Associates  Management Systems of Wausau Inc.  Management Systems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Systems Products Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems Orosulting Services  Management Tystems		-	-	_	Ť	Н	ŭ	-		$\dashv$	$\dashv$	$\dashv$			_
Madic Corporation  Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management & Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Dender Services, Inc.  Management Dender Services, Inc.  Management Detail Systems, Inc.  Management Design Associates  Management Directions, Inc  Management Informaton Systems Group, Inc. (MISG)  Management Secience America, Inc.  Management Systems Associates  Management Systems Sasociates  Management Systems of Wausau Inc.  Management Tystems Consulting Services  Management Tystems of Wausau Inc.  Management Techniques, Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.  Mann Data Inc.		-			_	Н		-	-	-	$\dashv$	$\dashv$	-		_
Magnum Communications, Ltd 320 Interstate N. Pkwy.  Mailhouse, Inc.  Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Design Controls  Management Design Computer Services  Management Design Associates  Management Design Associates  Management Design Associates  Management Design Associates  Management Science America, Inc.  Management Science America, Inc.  Management Systems Consulting Services  Management Systems Systems Group, Inc. (MISG)  Management Systems Systems Sociates  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Fornation Systems  Management Techniques, Inc.  Management Fornation Systems  Management Products Inc.  Management Products Inc.  Management Associates Micro Software Division		-		_	_		_	Н		-	-			-	-
Mailhouse, Inc.  Mainstern Corp  Mamba Inc  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Desiron Systems Inc.  Management Desiron Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Desiron Systems Group, Inc. (MISG)  Management Directions, Inc  Management Science America, Inc.  Management Science Andrica, Inc.  Management Science Since  Management Systems Group, Inc. (MISG)  Management Systems Sociates  Management Systems Orosulting Services  Management Systems of Wausau Inc.  Management Systems Orosulting Services  Management Tystems of Wausau Inc.  Management Products Inc.  Management Products Inc.  Management Products Inc.  Management Products Inc.  Management Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.		-	-	_	_	ч	_	Н	$\vdash$	-	-	-	-		-
Mainstem Corp  Mamba Inc  Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Disystems Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Disign Associates  Management Directions, Inc  Management Directions, Inc  Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems Orosulting Services  Management Systems of Wausau Inc.  Management Tystems Consulting Services  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.  Mann Data Inc.		_	_		_			Н	-		-	$\dashv$			_
Mamagement & Computer Services Inc.  Management & Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc  Management Cybernetics International  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems Group, Inc. (MISG)  Management Decision Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science Inc  Management Systems Associates  Management Systems Group, Inc. (MISG)  Management Systems Services  Management Systems Group Inc. (MISG)  Management Systems Group Inc. (MISG)  Management Systems Sociates  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems Froducts Inc.  Management Systems Associates Micro Software Division			•	_	Ļ	ч	_		$\vdash$		-	$\dashv$	$\blacksquare$	-	_
Management & Computer Services Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Operation Systems Inc.  Management Design Associates International  Management Design Associates  Management Design Associates  Management Directions, Inc.  Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science Since America, Inc.  Management Science Since Management Systems Associates  Management Systems Associates  Management Systems Of Wausau Inc.  Management Systems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.		-	_		•	ш			-	_		$\dashv$			_
Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Design Associates  Management Directions, Inc  Management Directions, Inc  Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Sciences Inc  Management Systems Associates  Management Systems Orosulting Services  Management Systems of Wausau Inc.  Management Towns Systems of Wausau Inc.  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Towns Systems  Management Systems Solutions Systems  Management Systems Solutions Systems  Manan Data Inc.  Mann, Charles & Associates Micro Software Division		-	-		_	Ш				_	-	-			_
Management Computer Services, Inc.  Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc  Management Cybernetics International  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Directions, Inc  Management Directions, Inc  Management Directions, Inc  Management Science America, Inc.  Management Science Sinc  Management Science Sinc  Management Systems Group, Inc. (MISG)  Management Science Sinc  Management Systems Systems Group, Inc. (MISG)  Management Systems Systems Group, Inc. (MISG)  Management Techniques, Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Systems Group Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc		-	•		_			_		_	-	_			
Management Computer Controls  Management Control Systems Inc.  Management Control Systems Inc.  Management Control Systems Inc  Management Cybernetics International  Management Data Communications Corporation  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Directions, Inc  Management Directions, Inc  Management Information Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science Inc  Management Sciences Inc  Management Systems Associates  Management Systems Groupling Services  Management Systems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems Orsulting Services  Management Tystems Orsulting Services  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.			_		<u>_</u>	9				_	-	_	•		
Management Control Systems Inc.  Management Control Systems Inc  Management Control Systems Inc  Management Control Systems Inc  Management Control Systems Inc  Management Description Systems, Inc.  Management Design Associates  Management Design Associates  Management Directions, Inc  Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Sciences Inc  Management Systems Associates  Management Systems Orosulting Services  Management Systems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems of Wausau Inc.  Management Tystems Orosulting Services  Management Techniques, Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.  Mann Data Inc.		_		L		Ш				_		_			
Management Control Systems Inc  Management Cybernetics International  Management Data Communications Corporation  Management Decision Systems, Inc.  Management Decision Systems, Inc.  Management Decision Systems Group, Inc. (MISG)  Management Information Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science America, Inc.  Management Systems Sasociates  Management Systems Group, Inc. (MISG)  Management Systems Group, Inc. (MISG)  Management Systems Group Inc.  Management Systems Group Inc.  Management Topic Inc.  Management Topic Inc.  Management Topic Inc.  Management Systems of Wausau Inc.  Management Topic Inc.  Management Systems Group Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  M		-	•	•	•	•								•	
Management Cybernetics International  Management Data Communications Corporation  Management Decision Systems, Inc.  Management Decision Systems Group, Inc. (MISG)  Management Information Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Sciences Inc  Management Systems Associates  Management Systems Group Inc. (MISG)  Management Systems Group Inc. (MISG)  Management Systems Group Inc. (MISG)  Management Systems Group Inc. (MISG)  Management Systems Group Inc. (MISG)  Management Systems Onsulting Services  Management Techniques, Inc.  Management Techniques, Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Mann Data Inc.			_		_	Ш	•		•		_				
Management Data Communications Corporation  Management Decision Systems, Inc.  Management Design Associates  Management Directions, Inc  Management Directions, Inc  Management Incentions Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Sciences Inc  Management Sciences Inc  Management Systems Associates  Management Systems Orosulting Services  Management Systems of Wausau Inc.  Management Tystems Orosulting Services  Management Tystems of Wausau Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.		_	-	_	_										
Management Decision Systems, Inc.  Management Design Associates  Management Directions, Inc  Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems Associates  Management Systems Of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Management Systems Of Wausau Inc.  Mana			_	_	_										
Management Design Associates  Management Directions, Inc  Management Information Systems Group, Inc. (MISG)  Management Information Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems Consulting Services  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems Systems  Management Systems  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Sy		•	_	_	•	•	•	•					•	0	
Management Directions, Inc  Management Information Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Sciences Inc  Management Systems Associates  Management Systems Consulting Services  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.	Management Decision Systems, Inc.		•	•											
Management Informaton Systems Group, Inc. (MISG)  Management Science America, Inc.  Management Science America, Inc.  Management Systems Associates  Management Systems Associates  Management Systems Associates  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Forducts Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Management Systems of Wausau Inc.  Mann Data Inc.  Mann Data Inc.	Management Design Associates			•											L
Management Science America, Inc.  Management Sciences Inc  Management Systems Associates  Management Systems Consulting Services  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Systems Products Inc.  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Systems Oscillations  Management Syste	Management Directions, Inc		•	•											Ĺ
Management Sciences Inc  Management Systems Associates  Management Systems Consulting Services  Management Systems of Wausau Inc.  Manageront Techniques, Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.	Management Informaton Systems Group, Inc. (MISG)	•	•	•											
Management Systems Associates  Management Systems Consulting Services  Management Systems of Wausau Inc.  Management Techniques, Inc.  Manager Software Products Inc.  Mandalla Information Systems  Mann Data Inc.  Mann Charles & Associates Micro Software Division	Management Science America, Inc.		•												
Management Systems Consulting Services  Management Systems of Wausau Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Management Techniques, Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Products Inc.  Manager Software Division	Management Sciences Inc		•												
Management Systems of Wausau Inc.       ●       ●       ●         Manager Software Products Inc.       ●       ●       ●         Mandalla Information Systems       ●       ●       ●         Mann Data Inc.       ●       ●       ●         Mann, Charles & Associates Micro Software Division       ●       ●			•	•	•										
Management Techniques, Inc.       ●       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Products Inc.       Image: Contract Pro	Management Systems Consulting Services			•	•								100		
Manager Software Products Inc.         ●           Mandalla Information Systems         ●           Mann Data Inc.         ●           Mann, Charles & Associates Micro Software Division         ●	Management Systems of Wausau Inc.	•	•		•										
Mandalla Information Systems  Mann Data Inc.  Mann, Charles & Associates Micro Software Division	Management Techniques, Inc.				•										
Mann Data Inc.  Mann, Charles & Associates Micro Software Division			•												
Mann, Charles & Associates Micro Software Division	Mandalla Information Systems		•												
	Mann Data Inc.		•	•											
Mantissa Corporation	Mann, Charles & Associates Micro Software Division		•						•						
	Mantissa Corporation		•												

CAMP COMPUTER SERVICES INDEX				UTE ICES			MOD	SING	P	ROCI	PE	4G		MPU1	
SERVICI AVAILAB COMPANY NAME	ES LE	r NOCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	Distributor
Manufacturing and Systems Programming		1	•		Т		$\vdash$		$\vdash$	-	Т	$\vdash$	Т		t
Manufacturing Data Systems, Inc.	- 1	-	•	-	•		$\vdash$	$\vdash$	$\vdash$	-	-	-	•	-	t
Manufacturing Education Services, Inc		-	•		Ť	۲							Ť		+
Manufacturing Management Systems, Inc		_	•					-	-	-	-	-	-	-	t
Manufacturing Resources Management		-	•	•	$\vdash$	$\vdash$	$\vdash$	+	-	-	+-	-	-	$\vdash$	t
Manufacturing Solutions and Systems		_	•		-	$\vdash$	$\vdash$	+-	┢	-		-	$\vdash$	-	t
MANUS Services Corporation	- 1		-	•	•				-		$\vdash$	-		-	t
Maple Plain Company				Ŭ	-	F	Ť	1	$\vdash$				Ť		t
Marathon Management Systems		-	•	•		┢	-	+	├─	-	-	-	$\vdash$	$\vdash$	t
MARC Analysis Research Corp.		$\rightarrow$	•	•	_	$\vdash$	-	+	╁	+-	$\vdash$	-	╁	-	t
Marcam Data Systems Corporation		-	•	•		$\vdash$	-	$\vdash$	-	-	-	-	-	$\vdash$	t
Marchbanks and Parker, Inc.		-	•	•	$\vdash$	$\vdash$	-	+-	-		$\vdash$	$\vdash$	Н	$\vdash$	t
Marcoin Business Management Services, Corp	- 1	-	•	•	•	$\vdash$	1	$\vdash$	┢				$\vdash$		t
Mariposa Corporation				•		$\vdash$	1	$\vdash$	$\vdash$				Г		t
Maritime Computer Corporation		•	•	•				_	•			•	•	•	t
Mark/Ops		•	•	•	•	•								•	t
Market Science Associates, Inc		•		-	-		Ť	$\vdash$	$\vdash$				Ė	Ė	t
Marketing and Systems Development Corp., The			•	•	_		<del>                                     </del>	$\vdash$	$\vdash$						t
Marshall and Swift Publication Company	-						$\vdash$						•		t
Martell Laboratories				•	•	•				•			•		t
Martin and Stern Inc.		$\top$		•								Г			İ
Martin Marietta Data Systems		•	•			-	Т								t
Master Information Systems							$\vdash$								t
Mathematica Products Group		$\top$	•				Т								İ
Mathematica, Inc.		$\top$	•	•		$\vdash$	$\vdash$								İ
Mathematical Applications Group					•										1
MATHTECH, Inc.				•											1
Matlen Silver Group Inc., The			•												1
Matrix Insurance Services Inc.		•			•	•									
May & Speh Processing Center, Inc.		•		•											I
Mc Clintock			•												
McCormack and Dodge, Inc.		-	•												1
McCullough and Associates		-	•												1
McDonnell Douglas Automation Company		-	•	•	•	•		•							1
McGraw-Hill Information Systems Company		•													1
McGraw-Hill/Multilist		•				•	•								1
McHugh, Freeman and Associates Inc		1	•												1

CAMP COMPUTER SERVICES INDEX	1	SER	UTE /ICES	R	PRO	CES!	SING E	Р	ROCE TY		G	CON	MOT IPUT	TE TNO
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
McSpadden & Porter Inc.	$\top$	•	•		Г			Г		П				Г
Mead Data Central														
Mechanical Technology Inc		•												
Aechanics National Bank	•	_			•	•			Г					Г
Med Logic Systems	$\neg$			Г	$\vdash$		Т							Г
Media Services Inc./3M		•	•											Г
Medical Data Control		Т			•	•								Г
Medical Data Services				•	•		•							Γ
Medical Datamation			•		•	•							•	Г
Medical Engineering Inc		•					•							Γ
Medical Information Technology Inc. (MEDITECH)		•	•	•	•			Г				•		Γ
Medicus Systems, Corp.				•				Г						Γ
Medidata Inc.		•	•		•			Π				•		Г
Megatek Corporation		•					Г							Γ
Mellon Bank Data Center					•	•	Г							Γ
Mentor Graphics Corp			П	•										
Meridian Systems Inc	$\neg$	•	Г	Г				Г						Γ
Metamorphics		•	•	•										
Metasystems Inc.		•	•											
Metier Management Systems, Inc	$\top$	Т		•			Г							Г
Metro Bank														
Metro System, Inc.		П	•	•	•	•		•			•		•	
Metrocom Inc.		•	•	•	•	•						•	•	
Metromail Corporation	•	Π				•								
Micor-Net, Inc.		•												
Micro Associates Inc.	•													L
Micro Business Software Inc. (MBSI)	•													L
Micro Business Systems Inc.		•		•										L
Micro Computer Management Inc														
Micro D, Inc.		•												L
Micro Data Base Systems, Inc. (MDBS)	_	•												L
Micro Five Corp	-													L
Micro Focus Inc.	-	•	-				-							L
Micro Macro Systems Inc.	•	•	•	•	•	•	•							H
Micro Solutions, Inc. (MSI)	-			•										H
Micro-Base Associates, Inc.	•	•	•	•	•	-		-				•		L

Micro-Call Services

CAMP COMPUTER SERVICES INDEX		COM! SER	PUTE VICE:			CESS MOD		Р		PE	iG		EMO APUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	00.00.00
Microcom Inc		•			$\vdash$			$\vdash$	_	_	_	$\vdash$		t
Microcommet	-	Ť	•	$\vdash$	-	-	-	⊢	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	t
Microcomputer Software			۲			-	-	-	-	-	-			+
Microcon Digital Systems Inc		•			-	-	-	-	-	-				+
Micromark Systems	-	۲	$\vdash$	•	$\vdash$	-	-	-	-	$\vdash$	-	-	$\vdash$	t
MicroPro International Corp	-	•		Ť	$\vdash$	-	-	-		-	$\vdash$	$\vdash$		t
Microsoft, Inc.	-	•		$\vdash$	$\vdash$				$\vdash$	$\vdash$	-	-	-	t
Microsystems Consulting		•			$\vdash$			Н	-	-	-		-	t
Mid-American Control Corporation					$\vdash$	$\vdash$		Н	-	-	-		-	t
Midcom Corporation	•	•	•	Ė	•			•	_	_	-	-	•	t
Milestone Systems, Inc	-		F	$\vdash$	Ť			Ť	$\vdash$	$\vdash$		-	Ť	t
Miller Computing Corp	_	-	$\vdash$	•	-	$\vdash$		Н	$\vdash$	$\vdash$	$\vdash$			t
Millerick & Associates Inc.	_		-	Ė	$\vdash$	_	-	_			-	$\vdash$		t
MIMICS, Inc.		$\vdash$		•	_			-	$\vdash$	_				t
Mincron SBC Corporation					_			$\vdash$						t
Mineral Search, Inc	•	1			_					-				t
Mini Data Systems					Г									t
Mini-Computer Business Applications, Inc. (MCBA)		•	_						_	-				t
Mini-Computer Support Group					$\overline{}$			Г	_					t
Minicomputer Modeling Inc.														t
Miningham & Oellerich, Inc.	•		•	•					П					t
Ministry Management Systems		•	Т						Г					t
Misco			-			•								İ
Mitchell Matics					•							•		İ
Mitre Corporation		Т	•											Î
Mnemonics Inc.		•	•	•										İ
Mobius Division		•	•											Ī
Modern Computer Systems Corp		•												Ī
Modular Information Systems, Inc. (MIS)		•												
Molecular Design Ltd.		•												1
Monchik-Weber Corporation	•	•	•	•										ĺ
Monchik-Weber Metro Data Inc.	•													1
Money Management Systems, Inc.		•	•	•				_						1
Montgomery Data Systems Inc.	•											_		1
Morino Associates Inc.		•						_		_				1
Multinational Computer Models Inc.			•											1
Multiplications, Inc		•	•							L		L		1

AMP COMPUTER SERVICES INDEX	(	SERV	PUTE	R	PRO	CESS 10DE	ING	PF	TY	SSIN PE	G		MOT	
SERVIO AVAILA COMPANY NAME	CESBLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Multitask, Inc	-	•	$\vdash$					Н						
Muse Software														
Mylee Digital Sciences, Inc.		+	+											
			+	-	-	•		-		-				┢
NCA Corporation NCNB Corporation		۳	+	$\vdash$	-	Ť	-				-		$\vdash$	
NCR Data Services		+-	+	$\vdash$	•	•			Н		$\vdash$	-	Н	H
NDX Corporation			+	$\vdash$	۲	-		-	-	Н	-	$\vdash$	-	H
		-			-	-		$\vdash$	-	$\vdash$	-	$\vdash$	$\vdash$	-
NMG Systems Inc.		+			-	-		$\vdash$	$\vdash$	-	-	$\vdash$		H
NSA, Inc.			-	-	⊢	-	$\vdash$	-	-	-		$\vdash$	$\vdash$	+
NAB Software Services		-	-	-	⊢	-	-	$\vdash$	-	-		-		+
Nabu Manufacturing Corp.		+-	-	-	$\vdash$		•	$\vdash$	-	-	-	$\vdash$	-	⊢
National Bancard Corporation		_	+-	⊢	-	-	-	$\vdash$	-	-	$\vdash$	┢╾	-	┝
National Billing Systems, Inc		-	+	-	⊢	-		┢	-	-	-	-		+
National Check Records Corp.		_	+	⊢	-	•	⊢	├	-			-	-	+
National Computer Analysts Inc.		-	+-			-	⊢	$\vdash$	-	-	-	⊢	-	+
National Computer Systems, Inc.		+	-		-	-	$\vdash$	$\vdash$	-	$\vdash$	-	⊢	-	╀
National Data Communications		+		-	-	_		$\vdash$	-	$\vdash$	-	⊢	-	⊬
National Data Corporation		-		•		•	•	-	-	H	-		•	╀
National Datacentre Corp.	•	-	•	-	•	•	-	⊢	-	_	$\vdash$	-	•	+
National Economic Research Associates, Inc.	•	4	1	╙	•		-	_	-	<u> </u>	_	•	-	╀
National Evaluation Systems, Inc		+-	•	⊢	-	-	L	┡		_	-	-	-	╀
National Information Systems, Inc.			4	_	•	_	•	┡	_		┡	•		╀
National Information Utility	•	-	+-	-	┡	-	_	_	_	_	⊢	├-	┡	╀
National Integrated Software Services Inc			•	╄	┡	-	⊢	_	_		┡	-	-	╀
National Planning Data Corp		_	+-	L	┡	╙	_	┡	_		_	-	-	╀
National Systems, Inc			_		↓_	╙	-	_	_	<u> </u>	-	├-	-	+
National Training Systems		+		-	-		-	-			-	-	-	+
Nelson & Bauman, Inc	•		-				-			-		•		1
Neodata Services	•	-	-		1	-	-			-		-	-	1
Neshaminy Valley Information Processing Inc. (NVIP)	•	-	1			•	-		-	•		1		1
Network Consultants, Inc.				-	_		-	-			-	-		-
Network Data Base Systems, Inc		1	•	-	1	-	-	-		-	-	-		1
Network Data Processing Corporation		•	_		•	•	_	•		_	•	•		
New Directions		1	•	1	-	_			_			1	_	1
New England Management Services Inc			_			1	-			_		-		1
New Systems Inc		•	_		1			-			-	-		L
Nichols & Company Inc.	•					•			L				•	L

CAMP COMPUTER SERVICES INDEX	(	SERV	PUTE VICES	R	PRO	CESS	SING E	PI	ROCE TY	SSIN PE	G		MOT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Nicolet Cad Corporation	+	-	-	•	Н			Н			Н		_	r
Nielsen, A.C. Company	•	-	-	_	•	•		Н		-	-		-	H
Nixdorf Computer Software Co.	-	•			Ť	Ť			-		-			+
Nordata, Inc.	+-	•	•	•										H
North American Processing	•	Ť	Ť	_		-		Н	Н		H			H
Northeast Data Systems Inc	Ť	-			-	$\vdash$		Н	-		$\vdash$		_	t
Northeastern Computer Service Inc.				Ť	Н			-		-			_	t
Northern Numbers, Inc.	Ť	•	•	$\vdash$	Н	$\vdash$	-	Н	-		-			t
Northwest Analytical Inc.	_	•	Ť	•	-	$\vdash$	-	Н				-	-	t
Northwest Computer Services, Inc.		۳	-	ř			-	Н	-	-	-	-	-	t
Northwest Management Services, Inc.	-	$\vdash$	-	-			$\vdash$	-	$\vdash$			-	-	H
Norwest Financial, Inc.	-	$\vdash$	•	-	•	-	-	-	-	•	•	•	-	t
Novva Computer System, Inc.	•	$\vdash$	-	•		-		Н	-	H	=	•	-	H
Numerax, Inc.	-	$\vdash$	-	-	•		-	-	-		Н	-		١,
Numeridex, Inc.		$\vdash$	$\vdash$	•	_	-	-		-	-		Ŭ		H
Nyplan Inc	+	•	-	-	H		-		-	-		-	-	H
OAO		-		-	$\vdash$	-	$\vdash$	$\vdash$		$\vdash$	Н	Н	-	t
OR/MS Dialogue, Inc.	-		•	•	•		-	•		-	•	•	-	t
Oak Software	-	•	-	_	-	-		-			Ĕ	ř	-	t
Oasys, Inc. (Office Automation Systems)	-	•	$\vdash$	-	$\vdash$	-		H	-	-		-	-	t
Occidental Computer Systems, Inc.		•	-	•	•	$\vdash$	-	$\vdash$		-		•	-	t
Occupational Computing Company, Inc.	-	-		•	-		$\vdash$	-		-	-	Ĕ	-	t
Occupational Health Services Inc.		-		_	•	-	$\vdash$	-		-		•	$\vdash$	t
Oceanic Enterprises Inc. Suite 2601	•	$\vdash$	•	-	•	•	$\vdash$	$\vdash$	-			Ľ	$\vdash$	t
OCTO Ltd	•	$\vdash$	•		۳	-	$\vdash$	$\vdash$			-	⊢	$\vdash$	t
Odin Datasystems		+	-	-		-	$\vdash$	$\vdash$	$\vdash$	-		-	$\vdash$	t
Office Automation Resources Inc	-		$\vdash$	$\vdash$	۳	-	-	-	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	t
Office Services Inc. (OSI)		-	•	-	•	•	•	$\vdash$		-	-	•	•	t
Officesmiths, Inc.	-		1		۲	-	۲					Ť	-	+
Offutt Publishing		-	-	•		-		-		-	-	•		t
Ohio Valley Data Control, Inc.	-	-		-	•	•				-		•		+
Oil Data Processing Co	-			-	-	-	-	-					-	+
Olson Research	+	-			-	-	-	-		-		-		+
Olympic Systems Inc	+		1		-		-	-			-			+
Omega Microware, Inc.	-	•	+	-	-			-	-			-		+
OMIKRON	+	•	+			$\vdash$	-	-	-					t
		1	1			1	1		i			_		1

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS 4ODI	SING E	P	ROCE TY	SSIN PE	G	RE CON	MOT IPUT	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Omtool Corporation	$\top$	•			Г									Г
On-Line Accounting Systems Inc.	_	•	•	•										
On-Line Business Systems Inc.		•	$\vdash$		•		•					•	•	
On-Line Computer Systems, Inc.					•							•		Г
On-Line Software International		•	•											
Online Computer Library Center Inc. (OCLC)														Г
Opcode, Inc														
Open Systems, Inc.	$\top$													Г
OPOC Computing Inc.						•		•			•			
Oracle Corporation	$\top$		T		Г									
ORBIS Inc.			•	•			$\vdash$							
Oregon Software, Inc.				-										
Organic Software	+		$\vdash$									Г		
Organizational Change Corp.			•		$\vdash$	_								
Orr, Ken & Associates	$\top$								Т					
Orr, Stewart P. & Associates	$\top$		$\vdash$											
Oxford Software Corporation														
P K Systems Inc.			$\vdash$	•										
P-Stat, Inc.	$\top$		T		$\overline{}$									
PBM Systems Inc						•				•	•	Г		
PBS Computing	•		$\vdash$	•	•	•						•	•	
PCI Systems	$\top$		$\vdash$											-
PCS Data Processing Inc.				•										
PDA Incorporated			•											_
PDPS Computer Services			$\vdash$	•	•	•						•		Г
PM Computer Services Co.			$\vdash$	•	_					_				Т
PRC Public Management Services, Inc	+								_	_				Т
PRC Realty Systems, Inc.	•													
PSA. Inc	•				•	•	•			•	•	•	•	
PSI Energy Software		•												
PSI-MED Corporation		•												
Pace Computer Systems		•												
Pacesetter Systems, Inc.		•												
Pacific Computer Systems	•	•	Г			•		•				•		
Pacific Data Systems		•	•	•										
Pacific Sierra Research		•	•											
Pactel Inc			•											

CAMP COMPUTER SERVICES INDEX		CON	APUT RVIC	ER ES	PRO	OCES MOD	SING E	P	ROCI TY	ESSIN PE	iG	CON	MPU1	TN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Pallm, Inc.	$\neg$	•			$\vdash$	_								
Pan American Systems Corporation	_	Ť		-	+			Н	$\vdash$	-		$\vdash$	$\vdash$	
Panatec Inc.		+	•	-	1-				-	-				
Pansophic Systems, Inc.	_			1	-			-	-	-			-	-
Pantechnic Inc.	-	1	-	+-	-				-	-				-
PAR Technology Corporation	_	+		+	$\vdash$			$\vdash$	-			Н		-
Para Data, Inc.		•	-	-	+			$\vdash$		-		Н		_
Para Research		+-	_	-	$\vdash$				-			Н		-
Parallax Systems			-	+	$\vdash$	$\vdash$		$\vdash$				Н		-
Paramin, Inc.	-	•	-	+	+			$\vdash$	-			Н		-
Park Avenue		-	+	+-	$\vdash$	-	-	-	-			Н	-	-
Parke-Randall Management Co			+	+	$\vdash$		$\vdash$	⊢	-			Н	-	-
Parker & Associates			_	+	+	-	-	$\vdash$						-
Pattern Systems of NJ, Inc.			-		+	$\vdash$	-	$\vdash$						-
Patton Consultants, Inc.					$\vdash$	-	-	$\vdash$				H	-	_
Pay-Fone Systems, Inc.		+	+	Ť		-		_						-
Paychex Inc.		-	+	+	+	•			Н					_
Payday, The Payroll Co., Inc. The Payroll Co,Inc		+	+	+		-		$\vdash$				•		_
Payne, Bruce Consultants Inc.		•		$^{\dagger}$	_	_		Г						_
Paynter, E. F. & Associates			1		$\vdash$			Г						_
Peachtree Software Inc.		•		$\top$	$\vdash$									ī
Pearl Data Systems		•												Т
Pearlsoft		•			$\vdash$									П
Peat, Marwick, Mitchell & Co.		•			Т									П
Pegasus Systems, Inc. Incorporated														Ī
Pekin Insurance		•	1											Ī
Pentamation Enterprises Inc.		•		1		•	•	Г						Ī
Perception Technology Corp						-								Ī
Peregrine Systems Inc														
Perfect Software, Inc.		•	)											Ī
Performance Systems, Inc.		•												I
Personal Computer Management Corp		•												Ī
Personal Systems Technology Inc		•												
Personnel Data Systems, Inc.	•	-	_		•			•				•		
Personnelmetrics, Inc.				•										
Petroleum Data Corporation		-		•										ſ
Petroleum Software, Inc.					1									

AMP COMPUTER SERVICES INDEX	(	OMP	UTES ICES	R	PRO	CESS 40DI	ING	PF	ROCE TY	SSIN PE	G	CON	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Pharmaceutical Card Systems, Inc.	•													
Pharmacon	•	-	_			-	=	$\vdash$				-		_
Phase One Systems Inc.	-	•	_	-	Н		-				-	Н	-	_
Phase 3		•	•			-	-	$\vdash$		-	-	Н		_
Phoenix Data Processing	•	H	=			•		Н	-		Н	-	-	-
Photo Data Inc.	•	•	•			Ť					-			_
Physicians Practice Management Inc	•	•	6		•	_		$\vdash$			•	•		_
Pinkerton Computer Consultants	۳		•	_	Ť	_					-	ŭ		
Pioneer Software, Inc	$\vdash$	•	•	•		_					H		-	_
Planmetrics Inc.		•		_	•		Н	•	-		•	•		-
Planning & Control Inc.	Ť	ř	•	-		_	Н				Ť	_		
Planning Research Corporation		•		•		-		Н		-		-		_
Plansmith Corporation	•	Ť	ř	•	•	-	-	Н				•	-	_
Players Computer	•			_		-		Н				Ť		
Plus Computer Technology	-	•												_
Point 4 Data Corp.	-	•		•										_
Police Data Systems	$\vdash$	•		•		_								
Policy Management Systems (PMS)		•	•	-										_
Poorman-Douglas Corporation				•	•	•								
Powell, Marcus Associates	-	•		_	-		_							
Power Management		-												_
Practical Business Systems Inc	Ť	•							_					_
Precision Visuals, Inc.		•				_	_		_					
Prestige Software Analysts, Inc	1	0						Н	-		_			_
Price Waterhouse & Co.		Ė	•			_								_
Princeton Software Co, The	$\vdash$	•	÷											_
Processing Center Inc., The		Ė			-			Н						_
Processing Management Systems (PMS)					•	•		П				•	•	_
Prodigy Systems Inc.				•									-	
Product Group, Inc.		•	•	•										
Productive Computer Systems				•										
Professional Business Industries Inc		•												
Professional Business Software		•												
Professional Computer Resources, Inc.		•	•											
						_			_			_		
Professional Computer Services	•					•								

Professional Data Corp.

Professional Data Management Professional Data Systems Professional Geophysics Inc. Profimatics Inc. Profit Control Systems Profitool, Inc. Program Design Inc. Program Design Inc. Program Systems, Inc Program Systems Inc Program Systems Inc Programs & Analysis, Inc. Programs & Analysis, Inc. Programs & Development, Inc. Programs & Analysis, Inc. Promedics Data Corporation Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Protest Systems Inc Proximity Devices Corporation Pryor Corporation Pryor Corporation Pryor Corporation Psych Systems, Inc Protest Systems, Inc. Proximity Devices Corporation Pyulsar Systems Inc Pulsar Systems Inc Punch Card Processing Co. Q.S., Incorporated Quadra Systems Quadrex Corporation Quantarekan Research Corp Quantitative Software Management, Inc. Quantum Research Quark Engineering Quest, Inc. Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R.&B Computer Systems RCO Corp	CAMP COMPUTER SERVICES INDEX	C	OMP	UTER	2	PROG	CESSI	ING	PF	TY	SSIN PE	G	RE COM	MOTI PUTI	NG
Professional Data Systems Professional Geophysics Inc. Profit Control Systems Profitool, Inc. Program Design Inc. Program Design Inc. Program Systems, Inc Programatics, Inc. Programatics, Inc. Programatics, Inc. Programatics, Inc. Project Software & Development, Inc. Project Software & Development, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Protox inty Devices Corporation Proximity Devices Corporation Pryor Corporation Psych Systems, Inc Pulsar Systems Inc Pulsar Systems Inc Punch Card Processing Co. Q.S., Incorporated Quadra Corporation Quadra Corporation Quadra Corporation Quadra Corporation Quant Research Quark Engineering Quark Engineering Quest, Inc. Quick-Tas It Itd Quick-Tas It Itd Quick-Tas Itd Quotron Systems Inc. R.A.I.R. R.&B Computer Systems RCO Corp	COMPANY	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Professional Data Systems	Professional Data Management	•		•											
Professional Geophysics Inc.  Profitesional Geophysics Inc.  Profitesional Geophysics Inc.  Profit Control Systems  Profitol, Inc.  Program Design Inc.  Program Systems, Inc  Program Systems Inc  Programs & Analysis, Inc.  Programs & Analysis, Inc.  Project Software & Development, Inc.  Promedics Data Corporation  Proprietary Computer Systems, Inc.  Proprietary Software Systems, Inc.  Protrietary Software Systems, Inc.  Proximity Devices Corporation  Pryor Corporation  Pryor Corporation  Pyulsar Systems Inc  Pulsar Systems Inc  Pusiar Systems  Quadrac Vorporation  Quadra Systems  Quadrac Corporation  Quadra Systems  Quadrac Corporation  Quadra Systems  Quadrac Corporation  Quadrac Systems  Quadrac Systems  Quadrac Corporation  Quadrac Systems  Quadrac Corporation  Quadrac Systems  Quadrac Corporation  Quadrac Systems  Quadrac Corporation  Quadrac Systems  Quadrac Systems  Quadrac Corporation  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Q		Ť		Ť		H			Н				П		П
Profit Control Systems Profit Control Systems Profit Control Systems Profit Control Systems Profit Control Systems Profit Control Systems Program Design Inc. Program Design Inc. Program Systems, Inc Programatics, Inc. Programs & Analysis, Inc. Project Software & Development, Inc. Project Software & Development, Inc. Promedics Data Corporation Proprietary Computer Systems, Inc. Proprietary Software Systems, Inc. Proprietary Software Systems, Inc. Proprietary Software Systems, Inc. Proprietary Software Systems, Inc. Proprietary Software Systems, Inc. Proprietary Software Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Prostam Systems Inc. Program Systems Inc. Puslar Systems Inc Puslar Systems Inc Quadra Systems Inc Quadra Systems Quadra Corporation Quadstar Corporation Quadstar Corporation Quantitative Software Management, Inc. Quantitative Software Management, Inc. Quantitative Software Management, Inc. Quantitative Software Management, Inc. Quick-N-Easi Products, Inc. Quick-N-Easi Products, Inc. Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R&B Computer Systems RCO Corp					-										
Profit Control Systems Profitool, Inc. Program Design Inc. Program Systems, Inc Programatics, Inc. Programatics, Inc. Programatics, Inc. Project Software & Development, Inc. Project Software & Development, Inc. Project Software Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Protoximity Devices Corporation Pryor Corporation Pryor Corporation Psych Systems, Inc Pulsar Systems Inc Pulsar Systems Inc Punch Card Processing Co. Q.S., Incorporated Quadra Systems Quadrax Corporation Quadrax Corporation Quadrax Corporation Quadrax Corporation Quadrax Corporation Quanten Research Corp Quantitative Software Management, Inc. Quantum Research Quark Engineering Quest, Inc. Quick-N-Easi Products, Inc. Quick-Tax Ltd Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R&B Computer Systems RCO Corp		+		•											
Profitool, Inc. Program Design Inc. Program Systems, Inc Programatics, Inc. Programmed Systems Inc Programmed Systems Inc Project Software & Development, Inc. Project Software & Development, Inc. Project Software Systems, Inc. Project Software Systems, Inc. Project Software Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Computer Systems, Inc. Proprietary Software Systems, Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Protest Systems Inc. Pulsar Systems Inc Pulsar Systems Inc Punch Card Processing Co. Q.S., Incorporated Quadra Systems Quadrex Corporation Quadra Systems Quadrex Corporation Quadra Systems Quadrex Corporation Quant Research Quantum Research Quantum Research Quantum Research Quantum Research Quantum Research Quantum Research Quantum Research Quantum Research Quantum Systems Inc. Quick-Tax Ltd Quick-Tax Ltd Quick-Tax Ltd Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R&B Computer Systems RCO Corp		+	Ť	-	•						Т				
Program Design Inc.  Program Systems, Inc  Program Systems, Inc  Programs & Analysis, Inc.  Project Software & Development, Inc.  Project Software & Development, Inc.  Proprietary Computer Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Computer Systems, Inc.  Proprietary Computer Systems, Inc.  Proprietary Computer Systems, Inc.  Proprietary Computer Systems, Inc.  Proprietary Computer Systems, Inc.  Proprietary Computer Systems, Inc.  Quadra Systems Inc.  Quadra Systems Inc.  Quadra Systems  Quadra Corporation  Quadra Engineering  Quantitative Software Management, Inc.  Quantitative Software Management, Inc.  Quantitative Software Management, Inc.  Quantitative Software Management, Inc.  Quantitative Software Management, Inc.  Quantitative Software Management, Inc.  Quest, Inc.  Quest, Inc.  Quest, Inc.  Quick-Tas Ltd  Quotron Systems Inc.  R.A.I.R.  R&B Computer Systems  RCO Corp					•	•							•		
Program Systems, Inc		Ť	_		-	-		Н							
Program de Systems Inc		+	-												
Programmed Systems Inc Project Software & Development, Inc. Project Software & Development, Inc. Project Software & Development, Inc. Proprietary Computer Systems, Inc. Proteus Systems Inc. Proteus Systems Inc. Proteus Systems Inc. Proximity Devices Corporation Psych Systems Inc Proyro Corporation Psych Systems Inc Pulsar Systems Inc Pulsar Systems Inc Quardar Systems Inc Quardar Systems Quadrax Corporation Quartekna Research Corp Quantitative Software Management, Inc. Quantum Research Quartex Engineering Quest, Inc. Quest, Inc. Quick-Tax Ltd Quick-Tax Ltd Quotron Systems Inc. Quick-Tax Ltd Quotron Systems Inc. Quarter Systems Inc. Quick-Tax Ltd Quotron Systems Inc. Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R&B Computer Systems		+	Ť		-						_				
Programs & Analysis, Inc.  Project Software & Development, Inc.  Promedics Data Corporation  Proprietary Computer Systems, Inc.  Proprietary Software Systems, Inc.  Proprietary Software Systems, Inc.  Protection Systems Inc.  Protection Systems Inc.  Proximity Devices Corporation  Pryor Corporation  Pryor Corporation  Psych Systems, Inc  Pulsar Systems Inc  Punch Card Processing Co.  Q.S., Incorporated  Quadra Cystems  Quadra Corporation  Quadra Corporation  Quadra Corporation  Quadra Corporation  Quadra Corporation  Quantitative Software Management, Inc.  Quantum Research  Quantum Research  Quark Engineering  Quest, Inc.  Quick-N-Easi Products, Inc.  Quick-N-Easi Products, Inc.  Quick-Tax Ltd  Quotron Systems Inc.  R.A.I.R.  R.&B Computer Systems		+		Ť			Н	-			_			$\Box$	
Project Software & Development, Inc.  Promedics Data Corporation  Proprietary Computer Systems, Inc.  Proprietary Software Systems, Inc.  Proteiant Systems, Inc.  Proteiant Systems, Inc.  Proximity Devices Corporation  Pryor Corporation  Psych Systems, Inc  Pulsar Systems Inc  Punch Card Processing Co.  Q.S., Incorporated  Quadra Systems  Quadrac Systems  Quadrac Corporation  Quadra Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadrex Corporation  Quantar Systems  Quadra Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems  Quadrac Systems Inc.  Quadrac Systems Inc.  Quadrac Systems Inc.  Quick-Tax Ltd  Quotron Systems Inc.  R.A.I.R.  R&B Computer Systems  RCO Corp			۲		-		•	-	$\vdash$		$\vdash$	$\vdash$			
Promedics Data Corporation				$\vdash$					_				•	•	
Proprietary Computer Systems, Inc.  Proprietary Software Systems, Inc.  Protes Systems Inc.  Protes Systems Inc.  Protes Systems Inc.  Protes Systems Inc.  Protes Systems Inc.  Protes Systems Inc.  Protes Systems Inc.  Pulsar Systems Inc.  Punch Card Processing Co.  Q.S., Incorporated  Quadra Systems  Quadra Corporation  Quadstar Corporation  Quadrac Corporation  Quadrac Corporation  Quantliative Software Management, Inc.  Quantum Research  Quant Engineering  Quest, Inc.  Quick-N-Easi Products, Inc.  Quick-Tax Ltd  Quick-Tax Ltd  Quotron Systems Inc.  R.A.I.R.  R&B Computer Systems  Proximitative Software Inc.  Quanter Systems Inc.  Quick-Tax Ltd  Quotron Systems Inc.		+-	_	-		+-	Ť	$\vdash$	$\vdash$	_			$\vdash$		
Proprietary Software Systems, Inc.			Ť	-	-			$\vdash$	$\vdash$	-			$\vdash$		
Proteus Systems Inc.	Proprietary Computer Systems, Inc.	Ť			$\vdash$	-							$\vdash$		
Proximity Devices Corporation			-	+-		Н									
Pryor Corporation		+-		-		$\vdash$									
Pych Systems, Inc			Ť	$\vdash$									•		
Pulsar Systems Inc         ●           Punch Card Processing Co.         ●           QS., Incorporated         ●           Quadra Systems         ●           Quadrex Corporation         ●           Quadstar Corporation         ●           Quanticative Software Management, Inc.         ●           Quantitative Software Management, Inc.         ●           Quantum Research         ●           Quark Engineering         ●           Quest, Inc.         ●           Quick-Neasi Products, Inc.         ●           Quick-Neasi Products, Inc.         ●           Quick-Tax Ltd         ●           Quotron Systems Inc.         ●           R.A.I.R.         ●           R&B Computer Systems         ●           RCO Corp         ●		+-		$\vdash$					1				Т		
Punch Card Processing Co.					Ė		$\vdash$				$\vdash$	$\vdash$			
Q.S., Incorporated			F	Ť	-	1		$\vdash$	1		$\vdash$	$\vdash$			
Quadra Systems Quadrex Corporation Quadstar Corporation QuantTeckna Research Corp Quantitative Software Management, Inc. Quantum Research Quark Engineering Quest, Inc. Quick-Resi Products, Inc. Quick-Rax Ltd Quick-Rax Ltd Quotron Systems Inc. R.A.I.R. R.&B Computer Systems RCO Corp		۲		+		+-		$\vdash$	1		$\vdash$				
Quadrex Corporation						1		$\vdash$	1		$\vdash$	$\vdash$	$\vdash$		
Quadstar Corporation QuanTeckna Research Corp Quantitative Software Management, Inc. Quantum Research Quark Engineering Quest, Inc. Quick-N-Easi Products, Inc. Quick-Tax Ltd Quotron Systems Inc. R.A.I.R. R&B Computer Systems RCO Corp		+			+-				1	$\vdash$					
QuanTeckna Research Corp         • • • • • • • • • • • • • • • • • • •			Ť			$\vdash$	$\vdash$		T		Т				
Quantitative Software Management, Inc.  Quantum Research  Quark Engineering  Quest, Inc.  Quick-N-Easi Products, Inc.  Quick-Tax Ltd  Quick-Tax Ltd  Quotron Systems Inc.  R.A.I.R.  R.&B Computer Systems  RCO Corp		+		-	+-	+	$\vdash$		1				1		
Quartum Research		+				1	$\vdash$			$\vdash$	$\top$	T			
Quark Engineering         •           Quest, Inc.         •           Quic-N-Easi Products, Inc.         •           Quick-Tax Ltd         •           Quotron Systems Inc.         •           R.A.I.R.         •           R&B Computer Systems         •           RCO Corp         •				+					Т				T	Г	
Quest, Inc.       •         Quic-N-Easi Products, Inc.       •         Quick-Tax Ltd       •         Quotron Systems Inc.       •         R.A.I.R.       •         R&B Computer Systems       •         RCO Corp       •		1				1			1	1			1		
Quic-N-Easi Products, Inc.       ●         Quick-Tax Ltd       ●         Quotron Systems Inc.       ●         R.A.I.R.       ●         R&B Computer Systems       ■         RCO Corp       ●		1							1	1					
Quick-Tax Ltd         ●           Quotron Systems Inc.         ●           R.A.I.R.         ●           R&B Computer Systems         ●           RCO Corp         ●		+									T	T			
Quotron Systems Inc.         ●           R.A.I.R.         ●           R&B Computer Systems         ●           RCO Corp         ●					1			T							
R.A.I.R. R&B Computer Systems RCO Corp			)					T							
R&B Computer Systems RCO Corp															
RCO Corp															
	RD Labs Inc.	1			1			1							

CAMP COMPUTER SERVICES INDEX	•	COM	PUTE	R	PRO	CESS	SING E	Pl	ROCE TY	SSIN PE	G		MO1	
SERVIO AVAILA COMPANY NAME	CES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
RKI Databank		t		Т	•									•
RLG Corporation					•			•		•	•	•		Г
RMC Research		+										_		Г
ROH		1	+-											Г
ROI Consulting Inc.												_		Т
RTC Systems, Inc														Г
RTR Software			1									Г		Г
RWB Associates	•											•	•	Г
Racal-Redac, Inc.		+	+											Г
Rand Information Systems, Inc.		$\vdash$										П		r
Rand Systems Corp														Г
Rand Travel Agency Services														Т
Randco Keypunch Service		1												Г
Randolph Technical Services, Inc.														Г
Rans Micro Systems, Inc														Г
Rapidata, Inc.														Г
Rath & Strong Systems Products, Inc														Г
Raven Systems and Research, Inc.		Ť		_	_		_							H
Reader's Digest Services			1	-	-									Н
Real Estate Data		Ť	+		$\vdash$	•	-							H
Real Estate Information Tracking Systems			+			_				_				H
Real Time Services				-	•	•	-	•			•	•		Н
Reality Software Company														r
Realtron Corporation		+	1	-						•	•	•		•
REAP Inc.		+-	+	•	-	•								H
Redshaw Inc.														Г
Rehab Group Inc.		1				•								Г
Reiter Software Systems Inc														r
Relational Database Systems, Inc				•			-							
Relational Systems International														
Relational Technology, Inc.												•		
Remasco Inc										1				Г
Remote Computing Corporation	•				•	•	•							Г
Rendeck Corporation			•	•										
Republic Airlines, Inc		•		•										
Republic Management Systems		•	•				•		•			-		Г
Danublia Carrias Duragu Inc							-		-		511			o

Republic Service Bureau Inc

CAMP COMPUTER SERVICES INDEX			MPU RVIC		PRO	CESS	ing	PR	TY	SSIN PE	G	RE COM	MOT PUTI	E NG
SERVICE AVAILABI COMPANY NAME	S.E.	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Republic Technology Corp Systems Division		١,	•			•		Н	$\neg$				•	
Response of Hawaii, Inc.		_		-		Ť		Н	$\neg$	-		•	-	-
Reuters North America		41	+	-	•	-		Н				Ť	-	-
Reveal Software, Inc		1	•		+-	$\vdash$		Н	-	-			-	
Revere Technology	-	_	-	•	-	$\vdash$					_	Н	$\dashv$	
Reynolds & Reynolds Company, The	-		+		1-								$\neg$	
Rhintek, Inc.		1	•	•	+	$\vdash$		Н		_				
Richardson I. Lawrence & Associates, Inc		10	•			-		П						
Roanco Associates		-	•	+	+									_
Rockford Research Inc		1	•	$\top$	+	1								
Rockie Smith Enterprises Inc. (RSE Inc)			$\top$	$\top$	$^{+}$	$\vdash$		П						
Rocky Mountain Software Systems		1	•		$\top$	Т								
Roncom Systems Inc.		1	•											
Ross Systems Inc.			•					•				•		
Rothenberg Information Systems Inc.			$\neg$	•										
Ryan-McFarland Corp.		-	•	•	Τ	Т								
S & H Computer Systems Inc		-	•											
S.D.I.		-	•		Т									
S-Cubed			•			•						•	•	•
SAS Institute, Inc.		-	•											
SBD Computer Services				•	T			Г						
SD Transport Services, Inc		- 1	•		Т	Г								
SDA Federal Systems		$\top$		•										
SDK Medical Computer Services Corporation	- (	•			•					•	•	•		
SEI Corporation		•		•										
SEI Information Technology			$\Box$	•			•							
SESA-Honeywell Communication, Inc.				•				L						
SGM, Inc.											L	L		_
SIS Company		•	_	•			•	•	•		•	•	•	_
SJV Data Service Inc.		-	-	• •		•							•	•
SMC Software Systems		1	•		-		-	1			_	-		
SRS Programming Reserve Inc.		1	$\rightarrow$	•	1	1					_	-		
SSM Microcomputer Products Inc		1	•	_		1	-	1	_	_		-		
STC Systems, Inc.		_	_		-	-	-	-			_	-		
STS, Inc.		•	$\rightarrow$	•	_	-	•	-		_		•		_
STSC, Inc.		•	•	•		-	-	-	-		-			
Sachs/Freeman Associates Inc.				•										

AMP COMPUTER SERVICES INDEX	L'	SER	PUTE	R	PRO	MOD	SING E	P	ROCE TY	PE		CON	MPU1	IIN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Saddlebrook Corporation	+	H	H	•	Н			_				Н		t
SAFECO Title Insurance	•	-		Ť	•					•	•			T
Safecom Inc.	•	+	-		۰					Ť	•			t
Safeguard Business Systems, Inc.	•		-	Ť		•					-		-	t
age Data Inc.		$\vdash$	$\vdash$	$\vdash$	•	Ť	+	$\vdash$	$\vdash$	-	•	•		t
Sage Systems Inc.	+-			$\vdash$	Ť	$\vdash$	$\vdash$	$\vdash$		$\vdash$	Ť	ř		t
Santa Cruz Software Services	_		Ť	+	-	$\vdash$	+-	$\vdash$		$\vdash$	-	$\vdash$	-	t
Garig Business Systems, Inc.	+-		+	-	$\vdash$	$\vdash$		-			$\vdash$	-	$\vdash$	t
Satellite Computing, Inc.	_	•	-	-	-	$\vdash$	-	-			-	-	$\vdash$	H
Satellite Software International(SSI)	+	-	-	$\vdash$	-	$\vdash$	-	-				-	-	╁
Saturn Software Inc.	-	•		+	$\vdash$	-	-	$\vdash$				$\vdash$	$\vdash$	H
Saztec	-	•	-	+	-	$\vdash$	$\vdash$	$\vdash$	-	-	-	⊢	-	H
Scheduling Corporation of America	-	-	-	$\vdash$	⊢	⊢	-	-	-	-			-	H
Schulstad, Myers & Associates Inc	-		-	•	⊢	⊢	$\vdash$	⊢	-	-	-	-	$\vdash$	⊬
Science Applications, Inc.	+	-		۳	-	$\vdash$	-	-	-	-		-	-	⊦
		+-	-		$\vdash$	-	-	$\vdash$			-	-	-	H
Science Dynamics Corporation	•			•	⊢	-		-		_	H	_		H
Science Management Corporation Scientific Calculations	- -	-	•		⊢	-	-	•		-	H	⊢	-	+
	-	┼	•		Ļ	-	⊢	•	•	-	H	Ļ	-	H
Scientific Computers Inc.	•	-	⊬	Ļ	•	-	₩	⊢		_	-	•	_	H
Scientific Information Retrieval, Inc.	-		+	•	╙	_	⊢	┡	_	_	_	<u> </u>	_	L
Scientific Software-Intercomp (SSI)	•	•	•	⊢	┡	1	⊢	⊢	_	_		<u> </u>	_	Ļ
Scripps Data Systems, Inc	-	•	1	_	-		┡	_				_		L
Securities Data	•	╙	-		•		L	┡		_				1
Securities Industry Automation Corporation	•	╄	-	-	┡	-	•	_	_			<u> </u>	_	H
Sedalia Computer Services, Inc.		<u> </u>		-	⊢	•	-	-	<u>_</u>	<u></u>	_	<u> </u>	<u> </u>	H
Sedlak, J.P. Associates		•	<u> </u>	-	<u> </u>	-	-	┡	<u> </u>	_	-	<u> </u>	<u> </u>	H
Seis Pros, Inc.	•	╄	•	Ļ	┞	-	-	-	_			<u> </u>	_	Ł
Seiscom Delta, Inc.		₩	1	•	_	-	-	_	_	_	_	_	-	L
Seisdata Services, Inc	•		-					-		_		-	-	1
Seismic & Digital Concepts Inc	•	-		-	_							_		L
Seismic International Research Corp	•		-	-	-	-	-	-			-		-	1
Seismic Processors, Inc	•	-	-			-	-	-	_	-				H
Seismograph Service Corp.		-	-	-	-	•	•				•			1
Selanar Corp	-	•	-	-	-	-	-							1
Selva Systems Inc.	-		-		-						_		_	1
Sensible Software		•												L

Sentinel Computer

CAMP COMPUTER SERVICES INDEX		OME	UTE	R		CESS 40DI		P	ROCE		G		MOT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Sentry Data Inc	$^{\dagger}$			•				$\vdash$				П		_
Sercon Corporation	+		$\vdash$	-	Н			┢╾	Н	Н	_	Н		_
SERENA Consulting	+	•	•			-		-						-
Serendipity Systems	+	•	-		-		-	-						-
Service Software Inc.	+-	•		•	-									-
Shaes & Co	+	•		_	Н	-		$\vdash$	-		$\vdash$	$\vdash$		-
Shaker Computer and Management Services	•	•			•	•	•	$\vdash$	$\vdash$	-	-	$\vdash$	$\vdash$	_
Shales & Young Information Systems, Inc	Ť	•			Ť	Ť	-	_	$\vdash$		$\vdash$	$\vdash$		_
Shared Medical Systems Corporation		۳		•	•		•	$\vdash$	-	•		$\vdash$		_
Sharp, I.P. Associates Ltd	-		•	Ť	-			•		Ť	Ť			•
Shaw Data Services, Inc.	-	-	-		•			•	-	Н	$\vdash$	•	$\vdash$	•
Shirley Software Systems	-	•		_	Ť			-	$\vdash$		$\vdash$	Ť	$\vdash$	Ť
Shriver, R., Associates		•	•	•		Н		$\vdash$						_
Sierra On-Line, Inc.	+-		-	_				$\vdash$				-		
Sigma Software, Inc	+-					-		-				1		
Signal Technology, Inc	+	•			-			-				$\vdash$		
Silicon Valley Systems Inc.	+	•		-		_		-				_		
Simcon Inc.			•	•	•		•							
SIMPLAN Systems Inc (SSI)	Ť	•	•											
Simple Soft Inc		•	•	_								Г		_
Sistemas Inc.	$^{+}$		•					Г			$\vdash$			Т
Small Business Data Processing Corporation		•	•	•	•	•	•					•		
Small Business Information Systems Inc		•										Г		
Small Business Mangagement Systems Inc	$\top$	•												
Small Business Systems Group	Т	•	•	•										
Smart, Inc		•	•	•		•	•	Г				П		
SMITES Group		•						Г				П		
Smith, A.O. Data Systems Division			•					Г						
Smith, Dennis & Gaylord	1	•	•	•										
Smyth Business Systems		•				•								
Soft Pro Systems, Inc		•												
SoftCorp International, Inc														
SofTech Microsystems Inc		•							_					
SofTech, Inc.		•	•											
Softlink		•						_	_			-		
Softmatics Corporation	1	•		_				_	_			-		
Softsel Computer Products, Inc		•												

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS	ING E	P	ROCE	SSIN PE	iG	RI COM	MO1	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Software Ag of North America, Inc.	_	•	$\vdash$	_	Н		Н	┢					-	
Software Alliance		•	•	-				-		-				
Software Alternatives		•	•	-					-					
Software Arts Inc	-	•	-	-	⊢	$\vdash$	Н	-	-			Н	_	Н
Software Authority, The		•	$\vdash$		H	-		-				Н	_	$\vdash$
Software Clearing House, The	_	•	$\vdash$	-	⊢		Н	$\vdash$	-			$\vdash$		H
Software Connections, Inc		-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	$\vdash$	-	-	Н	Н	_	H
	-	-	$\vdash$	-	$\vdash$	_		$\vdash$	_	_	-	Н	_	H
Software Corporation of America		•	Ļ	-	L	_	_	<u> </u>	-			$\vdash$	_	H
Software Design Associates, Inc.		•	•	-	L	<u> </u>		_	_	_	_	<u> </u>	_	
Software Development and Maintenance, Inc.		•	•	•	L			_	_					L
Software Info Services Inc		•	•								_		_	L
Software International Inc		•											_	
Software Laboratories, Inc.		•												
Software Maintenance and Development Systems, Inc.		•				L								
Software Publishing Corporation		•												
Software Pursuits, Inc.		•												
Software Research Corp.	•	•	•											
Software Services		•	Г											
Software Services Of America Inc.		•	•											
Software Shop Systems, Inc.														
Software Solutions Inc.	•		•	•		•								
Software Systems Associates														Г
Software Systems Inc														Г
Software Systems Inc.						$\vdash$		-				П		
Software Techniques, Inc	_	•	•		Н							Н		Н
Software Technology for Computers			1	$\vdash$	Н		Н	$\vdash$				Н	-	Н
Software 1040	-	•	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	$\vdash$	$\vdash$		Н		_	Н
Solid Software Inc			$\vdash$	-	Н			-	_				-	Н
Solo Systems	-	+		•				-	-	_				-
Sophisticated Data Research, Inc.		-		•	-									
Sorcim Corporation		•	۲	Ť		-		-	-				-	
Sorites, Inc.		•	•	-										
SOTA Computer Systems	_	•	•					-	-					-
Source Data, Inc	-	۲	•											
Source-2	•		-	-	•			-		-	-	-		
South Hills Computer Center Inc.	-	•	-	•	-		-	-					•	H
Bouth Fine Computer Center Inc.	10		1	-									_	_

CAMP COMPUTER SERVICES INDEX			IPUTE RVICE		PRO	CESS 40D	SING	Pi	ROCE	SSIN PE	G	CO/	MOT	IN
SERVIC AVAILAE COMPANY NAME	ES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Southwest Modular Systems, Inc.		$\top$	+						Т					Г
Southwest Software Services Inc		•		۳	-				$\vdash$		_	Н	-	Н
Specialty Computer Services Inc.		-	_	•								•	•	-
Spectron Corporation		_	-	-	-	Ť	Ť					Ť	Ť	-
Spectrum International Inc.		+		-	-									
Sperry Corporation Computer Systems		•	+-		-			$\vdash$	-			$\vdash$	$\vdash$	H
Spinnaker Software Corporation		•	-	Ť	╁	$\vdash$		Н	-	-	-	$\vdash$		H
Spiridellis & Associates, Inc.		_		+	•			$\vdash$	$\vdash$	$\vdash$	Н	•	•	•
Spring Rock Consultants, Inc				+	Ť	Ť	Ť	$\vdash$	$\vdash$	-	Н	Ť	-	F
Squire, Buresh Associates Inc			$\rightarrow$	$\vdash$	$\vdash$	-	-	$\vdash$	$\vdash$	-		-	$\vdash$	H
St. Joseph Systems		_	_	$\vdash$		-	-	$\vdash$		$\vdash$	-	-		۲
Standard & Poor's Compustat Services Inc.		_	4-	$\vdash$	۲	$\vdash$	-	$\vdash$	$\vdash$			$\vdash$	Ť	H
Stanford Engineering Corp.				$\vdash$	$\vdash$	$\vdash$		$\vdash$		$\vdash$				H
Star Inc				+-	$\vdash$	_	_	$\vdash$				_		t
Star Software						-		$\vdash$						Г
Star Value Software				$\vdash$	$\vdash$			$\vdash$						Г
State of the Art Inc								$\vdash$						Г
State Space Systems Inc.		•		$\vdash$						$\vdash$	Г			r
Station Business Systems		+										Г	$\vdash$	r
Statistical Financial Systems						•						•		Г
Statistical Graphics Corp.		1		$\vdash$	_						Г	Г		Г
Statistical Tabulating Corporation				T	•									r
Stephens-Nelson Computer Center			$\top$	T	•	•		Г						T
Sterling Software Marketing		1										Т		T
Sterling Software, Inc.		•		$\vdash$	$\vdash$		Г	$\vdash$				Г	Т	T
Sterling Systems				T			Т	$\vdash$						T
Stockholder Systems Inc.		•		T	$\vdash$		Т	1						T
Strata Search Processing Co., Inc			$\top$											Γ
Strategic Information												•		Г
Structural Members Users Group		•		Т	П			Г						Γ
Structured Methods, Inc.			•											Γ
Structured Systems Group, Inc.		•												ſ
Summagraphics Corporation				•										
Sun Country Financial Corporation		•												ſ
Superset Inc.														1
SuperSoft Associates														1
Survey Tabulation Services Inc.		•				•					L	L		1

CAMP COMPUTER SERVICES INDEX		COM	PUTE	R	PRO	OCES MOD	SING E	Р	ROCE TY	SSIN PE	(G		EMO IPUT	
SERVICI AVAILAB COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Sycom		T		•										
Sydney Development Corporation				Ė	1			1		-				
Syncsort Inc.			-	-	-	1		$\vdash$		$\vdash$	-	-	-	
Synercom Technology, Inc.			-		$\vdash$	1		Н				$\vdash$		$\vdash$
Synergos, Inc.		۲	+-	•	$\vdash$		$\vdash$	$\vdash$	Н			-	-	$\vdash$
Syntel			+	Ŭ	$\vdash$	$\vdash$		$\vdash$	Н	-		$\vdash$	-	$\vdash$
Syscom, Inc.		•	_	-	-	$\vdash$	$\vdash$	$\vdash$		$\vdash$		$\vdash$	-	-
SYSCON Corporation			_	•	-	$\vdash$	-	$\vdash$		H		-	⊢	$\vdash$
Systech Inc.				-	•					-	•	•		-
	-		+-	•	-	-	$\vdash$	-		H	ч	-	-	-
System Automation Corporation		-	-	-	-					H				
System Communication Corp	•	+-	+-	_	•	•	_	•		_	_	•	•	
System Development Corporation	•	•	•	_	•		•	-			•	•	-	•
System Integration Associates		+-	_	•	_			_		_		_	_	
System Support Software, Inc.			-		_	_	_	_		ļ		ļ	_	_
Systematics, Inc.	•		-		_	L	_	_	_			ļ	L-	-
Systemation, Inc.					_	_	_	_	_	_		<u> </u>	_	_
Systemhouse Ltd.		•	-	•								_		
Systemhouse, Inc.				•	_					_				
Systems & Computer Technology Corporation			-		L		_	_				L	_	
Systems and Applied Sciences Corporation			•											
Systems and Information Dynamics Inc.														
Systems and Programming Resources Inc.	•			•	•							•		
Systems and Software Inc.			•	•										
Systems Architects Inc.	•			•	•									
Systems Associates Inc. (SAI)		Т		•										
Systems Center, Inc., The														
Systems Control, Inc.		Т										Г		
Systems Coordination Inc														
Systems Data Inc.				•										
Systems Data Processing Corporation			•	•	•	•							•	
Systems Data Processing Corporation San Jose				•										
Systems Design & Development Corporation														
Systems Designs														
Systems Engineering Computer Co.			•	•	•	•								
Systems Groups Associates, Inc.	•				•		•							
Systems Management American Corp.	•		•		•		•							
Systems Management Inc.														

CAMP COMPUTER SERVICES INDEX	(	OMP	UTE	R	PRO	CESS 10DE	ING	PI	ROCE TY	SSIN PE	G		EMOT 1PUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Systems Network Inc										Т		Г	Г	Г
Systems Plus Inc				-	Н	Н				Н	-	$\vdash$		
Systems Research Laboratories	_	-	•						-	Н	-	-		
Systems Specialists, The			Ť	-		-				-	_		$\vdash$	
Systems Specialists, The			•	-						_				
Systems Technology Automated Resources Inc	_					-								Г
Systems/Software Engineering	+			-						_		-		r
Systems/Software Engineering Systems/Software Engineering	+		+-						_					T
System Commercial Corp	-	•	-	Ť	-		-		-			-		t
System Commercial Corp System Commercial Corp		Ť	-		-				-					t
T & B Computing Inc.			-	•	•	$\vdash$	-	$\vdash$	-			•		t
TCS Software Inc	- 1-		+	-	1	-		$\vdash$	$\vdash$	$\vdash$				T
TEC	_		-		1	-		-	-	$\vdash$		$\vdash$	_	t
TKS Corporation	-	Ť	+		$\vdash$	-		-		_		$\vdash$		t
TLS Company			1	<u> </u>						$\vdash$				T
TMI Systems Corporation													$\vdash$	T
TOM (The Office Manager, Inc.)	+		-	$\vdash$	<del>                                     </del>							Т		T
TRW Information Services		-	$\vdash$									$\vdash$		T
Tabershaw Occupational Medicine Association							•				_	•	$\vdash$	t
Tag Inc.	+			$\vdash$	Ť	$\vdash$		$\vdash$	1					t
Tailored Data, Inc	+	•	-		1	-		$\vdash$	-	$\vdash$	Т	Г		t
Talisman Security Systems, Inc	+	Ť	+-		1	$\vdash$		$\vdash$	1	$\vdash$	$\vdash$	Н	$\vdash$	t
Tandem Computers Inc			-	Ť	$\vdash$			$\vdash$	T		$\vdash$	1		t
Tandy Corporation	_			-	$\vdash$	1				1	$\vdash$	Т	+	t
Target Software, Inc	_	•	$\vdash$	+-	$\vdash$	1		1			$\vdash$	$\vdash$		t
Taurus Software	-		$\vdash$	-	$\vdash$	$\vdash$	$\vdash$		$\vdash$	$\vdash$		$\vdash$	$\vdash$	t
Tech Products, Inc	_		$\vdash$	1	$\vdash$	1	$\vdash$	$\vdash$	_	T		$\vdash$		t
TechDyn Systems Corp		+			1			1						1
Technalysis Corporation			-		1			1						T
Technical Analysis Corporation (TAC)				•	1			1						T
Technical Support Associates Inc.								1						T
Technical Systems Consultants Inc. (TSC)														T
Technicon Data Systems Corporation			•											T
Technics, Inc														T
Technology Development of California		,					•							I
Technology Industries		•												Ι
Tekkon Computer Services						1	1	1					1	1

AMP COMPUTER SERVICES IN	DEX	C S	OMPI	UTE	R	PRO	MOD	SING E	Pi	ROCE		NG .		MPUT	
COMPANY NAME	SERVICES AVAILABLE	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Teknekron Financial Systems		$\forall$	•	•	•								Н	П	Н
Feknowledge, Inc		$\dashv$	_	•									Н		-
Feldata Systems Corporation			•	-	•		•								-
Felecommunications Management Corp.		-	-	•									Н		
Felecredit, Inc.	(	•				•									_
Teledyne Exploration Company		•	_							_			П		-
Telemanagement System, Inc.			•	•	•										
Celerate, Inc.		•	-	-	Ť	•									
Celesis Corp			_		•						-				-
Telesoft		$\neg$	•		•			-				-			
Telos Corporation		$\dashv$	•	•				$\neg$				_			H
Temple, Barker & Sloane, Inc (TBS)		•	_	•	•	•		$\neg$					•	•	
TERA Corporation		$\dashv$	•	•	•			$\exists$	$\neg$						Н
Terrano & Associates, Inc		1	•		•			$\neg$		$\neg$	-1				
Tesseract Corporation		•	•	$\neg$		•		$\neg$	_				•	•	
Texas Instruments Inc.			•	7	$\neg$			_		-1	-				_
Theta Business Systems			•	7	$\dashv$										
Thomas National Group, The		•	•	$\neg$	$\dashv$	•	•	$\dashv$	$\neg$			$\neg$			-
Thomas, Laguban & Associates		$\forall$	•	•				_		_	$\dashv$				
hree PM Inc. (3 PM)		•			•	•	•	$\dashv$	_						
icketron, Inc.			+	_	•	•	-		-	-	•	•	•	•	
imberline Systems		-	•	_	-	-		-		_	-	-	-	Ť	Ť
ime Sharing Resources Inc.		•	-	•	_		$\exists$	_	_				$\dashv$		
ime Systems Inc			•	1	7			$\neg$	$\dashv$	_	_	$\neg$	$\dashv$		_
ime-Sharing Systems Inc.	-			$\forall$	-	•	•	_	_	-	_		•	-	_
imesharing Consultants Inc.		$\top$	•		$\dashv$		$\neg$		_	_	$\neg$		-		_
iny Systems Inc.		$\top$	•	7	$\neg$					$\neg$			$\neg$		
ominy, Inc.			•	•	•										
omorrow Systems, Inc			•												
one Software Corporation			•	T		$\neg$	$\neg$		$\dashv$	$\neg$	$\neg$	$\neg$			
otal Environmental Systems Computer Division	n		-	•							1				
ouche Ross & Company				•											
ouchette Corporation		D		J			•	•		T					
ower Systems, Inc.		_	•							J					
rac Line Computer Corp raffic Data Systems, Inc. (TDS, Inc.)		_	•	1						I					
							•								

AMP COMPUTER SERVICES INDEX			PUTE		PRO	MOD	SING	P	ROC1	PE	NG	CON	MPU1	TE
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATERACE
Trans Micro Systems Inc.			•	•	$\vdash$	Н	$\vdash$					$\vdash$	-	t
Frans Union Corporation		۲	۲		$\vdash$	-	$\vdash$	-	-	-		-	┢	t
Transaction Control Industries	-				┢	-	-	$\vdash$	$\vdash$			╁	$\vdash$	t
Franscomm Data Systems, Inc.	_		Ť		-		$\vdash$	$\vdash$				$\vdash$	-	t
Fransportation Concepts and Services			$\vdash$	-	$\vdash$		$\vdash$	$\vdash$		$\vdash$	$\vdash$	_	$\vdash$	t
Fransportation Data Management			1				$\vdash$	$\vdash$	$\vdash$	$\vdash$	+	-	-	t
Fransportation Management Services		1			Ė	Ė	+				+-	$\vdash$	-	t
TRES Computer Systems, Inc.								$\vdash$		-	1		H	t
Fri-Star Data Systems			•		Ė		$\vdash$	$^{\dagger}$			_	Ħ	_	t
Triad Systems Corporation					$\vdash$		1	-	-	_	_	1	$\vdash$	t
Friangle Software Company			$\vdash$	Ė	-		1	-			$\vdash$	$\vdash$	$\vdash$	t
Tricad		$^{+}$		•	_							$\vdash$	$\vdash$	t
TriStar Business Systems, Inc	-	$^{+}$	_	•	$\vdash$		$\vdash$	$\vdash$				$\vdash$	$\vdash$	t
FronCorp			_		Т									t
Tru-Check Computer Systems		$\vdash$					$\vdash$	$\vdash$	-	-	1			t
Tudor Systems			$\vdash$		Т						1			t
Furnkey Distribution Systems, Inc		T	Т	•	Г						Т		Т	t
Furnkey Information Processing Inc			$\vdash$	•	Г	Г	$\Box$				Т	$\vdash$	Т	t
Turnkey Interactive Management Systems		T	†		T		$\vdash$					Г	Т	t
Tylus Systems Inc.		$\top$	•						1					t
Tymlabs Corporation			•		Т		$\vdash$							1
Tymshare, Inc.			•	•	Т			1						t
U.S. Software		•	•				Т	Г						1
Ulrich, Walter E. Consulting		П			Г		П	Г		Г	Г		П	Ī
Ultimacc Business Systems		Т		•	Г			Г			Г	Г		T
Ultradata Corporation .			Г	•	Г		П	Г	Г	Γ	Г	Γ	П	Ţ
UNI-COLL Corporation		Т	•	П	•			Г	Г	Π	Г	Г	П	I
Unicale Corporation														I
Unilogic Ltd														I
Unitech Systems, Inc		•												I
United Computer Service, Inc.		-			•	•								ĺ
United Education & Software Data Systems Group				•										1
United Information Services Inc		-	•											1
United Telecommunications, Inc	•		•	•										1
Univair Inc.		-						_						1
Universal Information Systems Inc.														1

CAMP COMPUTER SERVICES INDEX		SEF	PUTE	R	PRO	CES	SING E	P	ROCE TY	SSIN PE	G	RI COM	MO 1PUT	TE TNG
SERVI AVAILA COMPANY NAME	CES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Universal Software Studios			+		Н			$\vdash$				Н	Н	-
Universal Systems of America				-	-	$\vdash$		$\vdash$				Н	$\vdash$	Н
University Computing Company			-	•	•	•	-	-		=		•	•	$\vdash$
Up-Time Systems, Inc			-	_	Ť	-		-				Ť	Ť	Н
Urban Data Processing		•			•	•	$\vdash$	$\vdash$		_		$\vdash$	•	-
Urban Decision Systems Inc.		۲			Ť	Ť	$\vdash$	_	$\vdash$			$\vdash$	Ť	-
Users, Inc.		+	+	•	•	•	$\vdash$					$\vdash$		-
Uveon Computer Systems, Inc.			,	Ť	ř	Ť	$\vdash$	$\vdash$	$\vdash$		-	┢		H
VLSI Technology, Inc.			_	•	┢	-	-	-	-		-	$\vdash$		
VM Software, Inc				Ť		-	-	_			-	$\vdash$	-	
VSE Corporation		۲		-		_				-	-	-		
Valid Logic Systems Inc.		+	Ť	•	-			_	_			$\vdash$	-	
Value Computing, Inc.								_				Г	_	
Vantage Computer Systems, Inc.													_	
Vector Systems Inc														
VenturCom Inc.				Г										
Vertex Systems Inc.														
VESOFT Consultants														
Vetrol Data Systems Inc.	•			•		•								
Vidmar, Stanley		П		•										Г
Vining-Sparks Securities, Inc					П									Г
Virginia Computer Services Inc.	•	П			•	•						•		•
VisiCorp														
Vista Concepts, Inc.														
Vital Computer Services International, Inc.	•		•		•	•		•					•	
Volt Delta Resources Inc.	•											L		
Volt Technical Corporation		<u> </u>		•								L		
Wachovia Services Inc.	•	╄	-	_	_	•						_		L
Walker Interactive Products				_	_									L
Washington Computer Services		•	-	-					-					
Waters Business Systems, Inc. Watts Computer Services Inc		•	•	-									_	-
	•	-	-		•							H	_	
Wayne Computer Center Inc. Weidenhammer Systems Corp.	•	-	•	•	•	•		-						-
Weidner Communications			_					-	-					
Wells Fargo & Company		-	-	-		-								
West Florida Data Processing	-		-	-	•	•	-	-						-

CAMP COMPUTER SERVICES INDEX		SER	VICES	R	PRO	MOD	SING E	P	ROCE	PE PE	NG	CON	EMO 1PUT	TI.
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Western Business Computers Inc		•	t		Н	Н		$\vdash$				Н		t
Western Data Corporation		•	+-		•	-	-	┢	-	$\vdash$	-	•	•	t
Western Geophysical Company of America	-	+	-	•	-	•	-	-	-	-	-	H	-	+
Western Micro Systems	-		-	•	-	-			-	-	-	-	-	t
Western Union Corporation		1	-	-	-	-	-	-	-	-		-	-	t
Westinghouse Advanced Systems Technology			•	-	-	-		-	-	-	-		-	t
Westinghouse Electric Corporation	-	•	•	•	•		-	-	-	-	-	-	-	t
Westinghouse Electronic Systems Division	•	•	1	•	-		-	-	-	-		-	-	t
Westinghouse Information Services			$\vdash$	•	•	-	$\vdash$	-	-	-	-	•	•	t
Westinghouse Strategic Operations Division	-   -	Ť	$\vdash$	•	F	-	-	$\vdash$	-		-	ř	Ť	t
Westware Inc	_		$\vdash$	Ť	$\vdash$			-	-			H	$\vdash$	t
Whalen Computer Services, Inc.		+	$\vdash$									-		t
Whelan Associates. Inc			$\vdash$	-	-									t
White, Bob, Computing and Software Inc.		•	$\vdash$		•			$\vdash$				$\vdash$	•	t
White, Robert F. and Company		$^{\dagger}$			$\vdash$	•		$\vdash$						t
Whiteside Associates, Inc.			1									-	-	t
Whitesmiths, Ltd.								$\vdash$			1			t
WHY Systems Inc			•		$\vdash$					_				t
Wilcox, R.E. Systems Inc		$^{+}$	$\vdash$		$\vdash$	$\vdash$	-		-	_				t
Wild Hare Computer Systems Inc			$\vdash$		1			1					_	t
Williams Automated Management Services, Inc					$\vdash$		$\vdash$						_	t
Wilson Micro Systems				Т										İ
Wismer Associates, Inc.	•	•	•	•	•		$\vdash$	$\vdash$			Г	Г		Ì
Woodward, Ryan, Sharp and Davis			•		•		$\top$			-		•		İ
Wordtronics		$\top$			Т		Т	Т	Г					İ
Worlco Data Systems		•		•		•	Г					•	•	Î
Worlco, Inc.														İ
World Research Systems Ltd.														1
World Wide Computer Services	-							1	10				127	1
World-Wide Computer Resources, Ltd		•												J
Worldwide Chain Store Systems		•	•	•										1
Worth, Auger & Associates		•	•											I
Wyly Corporation		•		•										ĺ
XXCAL		•		•										I
XEDEX Corporation		•												
Xenex Computer Systems, Inc.	•													1
Xerox Computer Services			1				1		1	1		•	•	ſ

CAMP COMPUTER SERVICES INDEX	(	OMI	UTE /ICE	IR S	PRO	CES	SING E	P	ROCE	SSIN PE	(G	CON	EMOT	TE ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Xidak, Inc	$\vdash$	•	Т	_	$\vdash$			Н		_	_			Н
Xybion Corporation		Ť	•	•					•			-		-
Xybion Medical Systems Corporation	1	•	•	•						-				
Yipkon Business Systems, Inc.	•	•	•	•	•	•		Г		Н		_		
Zeiler-Pennock	Г	•		•	Г					П				
Zentec Corporation, Inc.				•										
Zeus Data Systems			•	•	Г									
202 Data Systems, Inc.		•	•	•										
3COM Corporation		•			П									
3M Datatrak Systems, Inc.	•	•	•	•	•		•					•		
		L			L									
				L	_	_		_						Ш
	L	_	_	_	L	_		_						
	╙		_	_	_	L_								
	┡			_	_	L.	_							
	┡				_	L		ш		_				
	⊢	_	_		_	L			_					
	⊢		_		_	_	_	_		_				
	⊢				L			_	_	_				
	$\vdash$	_				-								ш
	Н			$\vdash$	-	-								Н
	-	-	-	-	-			Н				-		-
	-	-	-			Н	Н	-				_		-
			-				-					-		
			-							-		-	-	-
		-	-						-					
· · · · · · · · · · · · · · · · · · ·						-								
		-												
					-	-						-		
		_	_		_		_	_				_		

## **CAMP INDUSTRY INDEX**

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
A Supplementary DP Service, Inc.							•	•			•		•			•	•
A.M.S. Consulting Limited	•													•	•		•
AAA Technology and Special ies Company					П												•
Abt Associates, Inc.														•			•
AFI-Datatrol Division											•						•
AGS Computers Inc.	•	•	•		•	•				•			•			•	•
APL Systems	•	•	•	•									•	•			•
AR Mediquest								•		-							•
ARC Automation Group Inc.	-					•				•	•						•
ARC Automation Services Inc.																	•
ASA, Inc.		•									•						•
ATAC													•	•			
ATE Associates Inc		•												•			•
ATM/Network Management Corp						•											
AV Products, Inc.										•							•
AVP Systems	•						•	•	•	•	•		•			•	•
Aardvark Software							•									•	•
Academic Financial Services Association			_					_	•		_						•
Access International, Inc.	$\perp$		_			•		_	•	_			•		•		•
Accountant's Microsystems, Inc. Accountants Processing Center	-		_	Щ		_	_	_	_	_	_					•	•
Accountants Processing Center Accounting Corporation of America	•	•	_				_	_	_	_	_					_	•
AccTex Information Systems	•		_			•	_	_	_	•	_	_				•	•
Accurate Data Services Inc.	•		_	•		•	•	•	•	•	-	_	•	_	4	•	•
Accutab Data Processing Inc.	+			•		_	_	_	•	_	_	_	_	_	_	•	•
Accutab Data Processing Inc. Ace Software Inc.	+		•	$\Box$	•	_	•	_	_	-	_	_	-	_	_	•	•
ACES Software	+		-		_	_	-	_	•	-	_	_	_				•
Acorn Software Products Inc.	+				-	_	-	_	-				-			•	•
Actuarial Computer Technology Inc.	+	_			-	_		-		•	•	•	-	_	_	_	•
Adelie Corporation		-	-		-	-	•	$\dashv$		-	-	-	-	-			•
Admins, Inc.			•				-				•	•	-	-	•	•	-
ADPAC Corporation		-	-	•	•	-	-	•	•		•	-	-	•	•		-
Advance Data	-		•	-	-		-	-	-	-	-	-	-	•			-
Advanced Applications Inc.		$\dashv$	-	•	-	-	-	•	-	-	-	-				•	-
Advanced Computer Management Corp.		•	•	-			-	-	+	-	$\dashv$		-			•	믦
Advanced Computer Techniques Corporation (ACT)		•	•		•	•	-	•	-	-	$\dashv$	-	•	•	•	•	-
Advanced Control Technology	-	•	•	•		-		-	+	-	-	-	-	-	-	-	-
Advanced Data Group		-	•	-			•							-	•		
ra-aneea Data Oroap	1						_		-				- 1		_		-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER	
Advanced Data Management	•			•	•	•		•	•	•			•		_	•	•	
Advanced Data Systems Inc.	•	•	•			_		•	_	•	•	•	ļ			_	•	
Advanced Data Systems, Inc.		•	•		_	_				L		_	_	_	_	Ļ	•	
Advanced Legal Software			_	_	_	_		_	_	_		_		_	_	•	•	
Advanced Management Technologies	$\perp$	_	•	L	_	_	_	<u>_</u>	_		<u> </u>	_	_	-	_	_	_	
Advanced Software Products	•	_	_	•	•	•	•	•	•		_		•	_		•	•	
Advanced Systems Applications	•	L	L.,	_	ļ_	•	•	L	_	_	<u> </u>	_	_	_	_	•	_	
Advanced Systems, Inc.	•		_	•	•	•	•	•		•	_			•		•	•	
Advanced Technology Systems Inc. (Adtec)	-						•										•	
Advcom	-	_	_	_	1	_	_	_	1	_	_	<u> </u>	_	_		•	•	
Adwest Corporation	•	•	•			•	_	•	_	•		<u> </u>		_		-	•	
Affiliated Computer Systems	_		_		1	•	_		1	_	_	_	_	-		_	•	
Affiliated Concepts, Inc.	$\perp$				1		1	-	-	_	•	•	_	-	_	•	-	
AgriData Systems, Inc		_	-		1			1	_	-	_	_		_	-	•	•	
AKRA Data Corporation	•	•	-	_	-	-	_	-	_	_		<u> </u>	_	-	-	-	-	
Alexander & Alexander, Inc.		_		•		•	•	•	•	•		_	•			•	•	
Allied Data	-		-		•	•	•	•				-		-		-	•	
Allied Information Systems Company	$\perp$	_	┡	_	_	•	Ļ	<u> </u>		_	_	_	_	-	-		•	
Alpha Beta Data Services, Inc.		•	┡	_	_	•	•	⊢	-	-	•	-	_	⊢	•	$\vdash$	•	
Alpha Data Services Inc.		•	┡	_	L	Ļ	•	-	L	Ļ	•	L		H	•	_	•	
Alpha Software	•		-	•		•	•	•	•	•	_	_	•		-	•		
Alpha Systems, Inc.	•	-	┡	•	•	•	•	•	•	•	_	_	•		-	•	•	
Amcom Data Processing, Inc.	-	-	-	-	⊢	•	_	⊢	⊬	•	_	•	-	-		-		
America Resource Consultants, Inc	•	┡	•	_	_	Ļ	-	⊢	⊢	-	_		-	-		-	•	
American Data Services, Inc.	-	-	$\vdash$		-	•	-	⊢		•	-	_	⊢	-		⊢	•	
American Educational Computer Inc.	+	$\vdash$	-	⊢		⊢	•	•	├	•	•	-			•	•	-	
American Franklin Company Corporation	+	-			-	-	-	-	•	-	-		-	-	_	-	•	
American Information	•		-	•		•		•	•	•	-	-	•				-	
American Information Systems	-			•	-	•	•	•	-	•	-	-	•	-	-	•	-	
American Integrity System Inc. American Keypunch & Systems		-	-	-	-	-	-	-	•		•		-			-	-	
American Management Systems				•		$\vdash$		•	-	•	-				-	•	•	
American Management Systems  American Software Corporation	-		-	-	1	+	-	-	-	•		•	-	-		۲	•	
American Software Corporation  American Software, Inc.	-	-		•			•	•	-	•	-			$\vdash$	-	1	•	
American Software, file.  American Viking Enterprises Inc.		+	+-		+	۲	۳	۲		<b>—</b>	-			-			•	
AmeriTrust Company		-		-	-	•		+	-							-	•	
Amherst Associates	-					+		•					-				•	
		1		_	-	-	_	1	1		_		_	-		-	-	1

Anacomp, Inc. Analysis & Computer Systems Inc. Analysis & Computer Systems Inc. Analysis and Technology, Inc Analysis International Corporation Analytics Inc. Anstat Business Services Antech Apex Data Processing Inc. Apex Data Systems Apperal Management Systems Application Development System Inc. Application Development System Inc. Application Software Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Computing Technologies Inc. Applied Computing Technologies Inc. Applied Computing Technologies Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Information Development (AID), Inc. Applied Information Systems Applied Information Systems Applied Information Systems Applied Management Systems Inc. Applied Management Systems Applied Management Systems Applied Management Systems Applied Management Systems Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Argon Group Ltd Aregon Group, Inc. Argon Bata Resources Group Argonaut Information Systems Inc. Argon Argonaut Information Systems Inc. Argon Sata Resources Group Arination Software	TOTAL DISTRIBUTION RETAIL DISTRIBUTION	EDUCATION	MEDICAL & HOSPITAL		INSURANCE	BANKING & FINANCE	UTILITIES	TRANSPORTATION	PROCESS MANUFACTURING	DISCRETE MANUFACTURING	TOTAL MANUFACTURING	INDUSTRY MARKETS COMPANY NAME
Analysis & Computer Systems Inc. Analysis and Technology, Inc Analysts Inc. Analysts Inc. Ansights Inc. Ansights Inc. Ansights Inc. Ansights Inc. Antech Apara Data Processing Inc. Apex Data Systems Apparel Management System Inc. Appication Development System Inc. Applications Software Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Technologies Inc. Applied Computing Devices Applied Computing Devices Applied Computing Technologies Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Information Development (AID), Inc. Applied Information Development (AID), Inc. Applied Information Systems, Inc. Applied Information Systems Applied Analystems Applied Analystems Applied Information Systems Applied Analystems Applied Information Systems, Inc. Applied Information Systems, Inc. Applied Analystems Applied Management Systems Applied Management Systems Applied Management Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group, Inc. Argon Data Resources Group Argon Data Resources Group Argon Argon Argon Argon Systems Inc. Argos			•	-		•	$\neg$	$\neg$	$\neg$	•	•	Anacomp. Inc.
Analysis and Technology, Inc Analysts International Corporation Analysts Inc. Ansatta Business Services Antech Apex Data Processing Inc. Apex Data Systems Apparel Management Systems Application Development System Inc. Applications Software Inc. Applications Software Inc. Applications Software Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Communications Inc. Applied Communications Inc. Applied Computing Devices Applied Time Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Information Development (AID), Inc. Applied Information Systems Applied Information Systems Inc. Applied Management Systems Applied Management Systems Applied Management Systems Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group, Inc. Argo Data Resources Group Argonaut Information Systems Inc. Argos	1		-	+		-	+	+	+	-	-	
Analysts International Corporation Analytics Inc. Anstat Business Services  Antech Apex Data Processing Inc. Appx Data Systems Application Development System Inc. Application Software Inc. Application Software Inc. Application Software Inc. Application Software Inc. Application Software Inc. Application Business Systems, Inc. Applicat Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Communications Inc. Applied Computing Technologies Inc. Applied Computing Technologies Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Data Systems, Inc. Applied Information Development (AID), Inc. Applied Information Development (AID), Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Management Systems Inc. Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group, Inc. Argon Data Resources Group Argonaut Information Systems Inc.			+	+			$\dashv$	+	+	-	$\dashv$	
Analytics Inc.  Anstar Business Services  Antech  Apex Data Processing Inc.  Apex Data Systems  Application Development System Inc.  Applied Business Systems, Inc.  Applied Business Technologies Inc.  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Timancial Systems  Applied Data Research, Inc.  Applied Thrancial Systems  Applied Information Development (AID), Inc.  Applied Information Systems, Inc.  Applied Management Systems  Applied Information Systems  Applied Information Systems  Applied Information Systems  Applied Information Systems  Applied Information Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Research Inc.  Applied Research Inc.  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Area Gong Group Ltd  Area Gong Group, Inc.  Argo Data Resources Group  Argo Data Resources Group  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Applied Management Systems Inc.  Argo Sate Services  Argo Sate Services  Argo Sate Services  Applied Management Systems Inc.  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Argo Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services  Applied Sate Services		•	-		•	•	•	•	1	•		
Anstat Business Services  Antech  Apex Data Processing Inc.  Apex Data Systems  Applace Inc.  Applications Software Inc.  Applications Software Inc.  Applications Systems, Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Gomputing Devices  Applied Communications Inc.  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Research, Inc.  Applied Information Development (AID), Inc.  Applied Information Systems, Inc.  Applied Information Systems, Inc.  Applied Information Systems, Inc.  Applied Financial Systems  Applied Information Systems  Applied Information Systems  Applied Information Systems  Applied Information Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Management Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argonaut Information Systems Inc.  Argos			+	+	ŕ		-				•	
Apex Data Processing Inc.  Apex Data Systems  Apparel Management System Inc.  Application Development System Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Computing Devices  Applied Computing Devices  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Systems  Applied Information Systems  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group, Inc.  Argo Data Resources Group  Argo Data Resources Group  Argo Data Resources Group  Argos Services Inc.		1	+				+	+	+	•		
Apex Data Systems Apparel Management Systems Application Development System Inc. Applications Software Inc. Applications Software Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Technologies Inc. Applied Communications Inc. Applied Computing Devices Applied Computing Devices Applied Computing Technologies Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Data Systems, Inc. Applied Information Development (AID), Inc. Applied Information Systems, Inc. Applied Information Development (AID), Inc. Applied Information Systems Inc. Applied Management Systems Applied Management Systems Inc. Applied Management Systems Inc. Applied Microcomputer Systems Applied Microcomputer Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group, Inc. Argo Data Resources Group Argon at Resources Group Argon Data Resources Group Argon Argons Systems Inc.			$\dashv$	$^{+}$			$\dashv$	$^{+}$	+		•	Antech
Apex Data Systems Apparel Management Systems Application Development System Inc. Applications Software Inc. Applications Software Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Business Systems, Inc. Applied Gunder Systems Inc. Applied Business Technologies Inc. Applied Computing Technologies Inc. Applied Computing Technologies Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Information Development (AID), Inc. Applied Information Systems, Inc. Applied Information Systems Inc. Applied Information Systems Inc. Applied Management Systems Applied Management Systems Inc. Applied Management Systems Inc. Applied Microcomputer Systems Applied Microcomputer Systems Applied Microcomputer Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group, Inc. Argo Data Resources Group Argonaut Information Systems Inc. Argo Data Resources Group Argonaut Information Systems Inc.			•	•		•	•	•	_	$\neg$	$\rightarrow$	
Application Development System Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Technologies Inc.  Applied Communications Inc.  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Systems  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argonaul Information Systems Inc.			-	-	•	-	-				-	
Application Development System Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Software Inc.  Applications Systems, Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Technologies Inc.  Applied Computing Devices  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Development (AID), Inc.  Applied Management Systems  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argoonat Information Systems Inc.					Ė		1			•		
Applicon Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Technologies Inc.  Applied Communications Inc.  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Financial Systems  Applied Information Development (AID), Inc.  Applied Information Development (AIS)  Applied Management Systems, Inc. (AIS)  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argonaut Information Systems Inc.		•	•		•	•	•	•			•	Application Development System Inc.
Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Systems, Inc.  Applied Business Technologies Inc.  Applied Communications Inc.  Applied Computing Devices  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Development (AID), Inc.  Applied Information Systems  Applied Management Sciences  Applied Management Systems Inc.  Applied Merocomputer Systems  Applied Merocomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argonau Information Systems Inc.			•	ī	•	•	•	•		$\neg$	•	Applications Software Inc.
Applied Business Systems, Inc. Applied Business Fechnologies Inc. Applied Computing Devices Applied Computing Technologies Inc. Applied Computing Technologies Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Data Systems, Inc. Applied Financial Systems Applied Information Development (AID), Inc. Applied Information Systems, Inc. (AIS) Applied Management Sciences Applied Management Systems Applied Management Systems Applied Management Systems Applied Management Systems Applied Research Inc. Arbitron Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group, Inc. Argon Bata Resources Group Argonaut Information Systems Inc.		$\Box$	$\top$	$^{+}$			$\neg$	$\top$	•	•	•	Applicon Inc.
Applied Business Technologies Inc.  Applied Communications Inc.  Applied Computing Devices  Applied Computing Technologies Inc.  Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Financial Systems  Applied Information Development (AID), Inc.  Applied Information Development (AIS)  Applied Management Systems, Inc. (AIS)  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group, Inc.  Argon Data Resources Group  Argonaut Information Systems Inc.			•		•	•	•	•	1	•	•	Applied Business Systems, Inc.
Applied Communications Inc.  Applied Computing Devices Applied Computing Devices Applied Computing Technologies Inc.  Applied Data Research, Inc. Applied Data Systems, Inc. Applied Information Development (AID), Inc. Applied Information Development (AID), Inc. Applied Information Systems, Inc. (AIS) Applied Management Sciences Applied Management Systems Inc. Applied Microcomputer Systems Applied Microcomputer Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group Ltd Argon Group, Inc. Argo Data Resources Group Argonaut Information Systems Inc.			$\top$	$^{+}$			$\dashv$	$\top$	$\top$	$\neg$		Applied Business Systems, Inc.
Applied Computing Devices Applied Computing Technologies Inc. Applied Data Research, Inc. Applied Data Research, Inc. Applied Financial Systems Applied Information Development (AID), Inc. Applied Information Systems, Inc. (AIS) Applied Information Systems, Inc. (AIS) Applied Management Sciences Applied Management Systems Inc. Applied Management Systems Applied Management Systems Applied Management Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group Ltd Aregon Group, Inc. Argon Group, Inc. Argon Bata Resources Group Argonaut Information Systems Inc.		•		$^{\dagger}$			$\neg$	$\forall$	$\top$	7		Applied Business Technologies Inc.
Applied Computing Technologies Inc.  Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Development (AIS)  Applied Information Systems, Inc. (AIS)  Applied Management Systems, Inc. (AIS)  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Management Systems Inc.  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argon Data Resources Group  Argonaut Information Systems Inc.	111			1		•		1				
Applied Data Research, Inc.  Applied Data Systems, Inc.  Applied Information Development (AID), Inc.  Applied Information Development (AID), Inc.  Applied Information Systems, Inc. (AIS)  Applied Management Sciences  Applied Management Systems Inc.  Applied Microcomputer Systems  Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argonaut Information Systems Inc.							•		$\neg$			
Applied Data Systems, Inc.  Applied Financial Systems Applied Information Development (AID), Inc.  Applied Information Systems, Inc. (AIS)  Applied Information Systems, Inc. (AIS)  Applied Management Sciences  Applied Management Systems Inc.  Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argon Group, Inc.  Argonaut Information Systems Inc.			•				•	•				
Applied Financial Systems Applied Information Development (AID), Inc. Applied Information Development (AIS) Applied Information Development (AIS) Applied Management Systems, Inc. (AIS) Applied Management Systems Inc. Applied Microcomputer Systems Applied Research Inc. Arbitron Archives Incorporated Area Computer Services, Inc. Aregon Group, Inc. Argon Group, Inc. Argonatt Information Systems Inc. Argonaut Information Systems Inc.	•	•	•		•	•	•	•			•	
Applied Information Development (AID), Inc.  Applied Information Systems, Inc. (AIS)  Applied Management Systems Inc.  Applied Microcomputer Systems  Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argo Data Resources Group  Argonaut Information Systems Inc.						•			•	•		
Applied Information Systems, Inc. (AIS)  Applied Management Sciences  Applied Management Systems Inc.  Applied Microcomputer Systems  Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argon Toup, Inc.  Argonate Resources Group  Argonaut Information Systems Inc.				T		•			T			
Applied Management Sciences         ●         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■	•	1			•	•	Т	Т	П	•		
Applied Management Systems Inc.  Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group, Inc.  Argon Group, Inc.  Argonat Resources Group  Argonat Information Systems Inc.  Argons  Argonat Information Systems Inc.		•	•		•	•	•	•			•	
Applied Microcomputer Systems  Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argon Data Resources Group  Argonaut Information Systems Inc.							•					
Applied Research Inc.  Arbitron  Archives Incorporated  Area Computer Services, Inc.  Aregon Group Ltd  Aregon Group, Inc.  Argon Group Inc.  Argonalt Information Systems Inc.  Argonalt Information Systems Inc.				$\perp$		•	$\Box$		$\Box$		•	
Arbitron         Archives Incorporated         Area Computer Services, Inc.         Aregon Group Ltd         Aregon Group, Inc.         Argo Data Resources Group         Argonaut Information Systems Inc.         Argos												
Archives Incorporated       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.       Image: Computer Services, Inc.												
Area Computer Services, Inc.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ● <t< td=""><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td><math>\perp</math></td><td></td><td></td><td></td></t<>				_					$\perp$			
Aregon Group Ltd       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●								_				
Aregon Group, Inc.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●			•		•		-			•	•	
Argo Data Resources Group         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■ </td <td>•</td> <td>_</td> <td>1</td> <td></td> <td>_</td> <td></td> <td>_</td> <td>-</td> <td>-</td> <td>_</td> <td></td> <td></td>	•	_	1		_		_	-	-	_		
Argonaut Information Systems Inc.	•		• 1	P	•	_	-		-	_	•	
Argos					_				-			
	•		•	1	•	-	-	•	-		-	
			_	-	_	_	_	1	-	•	_	
Arms Inc.	•		-		•	•				_	•	

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	отнек
Arthur Andersen & Co.		•				•	•	•	•	•			•			•	
Articulate Publications								•		•							
Artificial Intelligence Corporation				•	•	•	•	•	•	•			•			•	•
Ashton-Tate		•									•	•					
Asist					•												•
ASK Computer Systems, Inc.		•	•														•
Associated Computer Management Specialists, Inc		•	•					•			•	•	L		_	•	•
(ACMSI)																	
Associated Credit Services			16							•							•
Astradyne Computer Industries, Inc.						•		•									•
Auragen Systems Corporation	•			┖		•	•	•		•	_			•	•	•	•
Autex Systems	•				┖	•					┡				_	┡	•
Auto-trol Technology Corporation	•	•	•	╙	L		L	_	L	•	$\vdash$	╙	_	_		Ļ	•
Autodesk, Inc.	•	L	Ļ	•	•	•	•	Ļ		•	-	_	•	-	H	•	•
Automated Concepts, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	-	⊢		
Automated Design Centers			-	-	L	_					1	L	_	-		•	
Automated Science Group, Inc.	-	-	+	-	+	-	$\vdash$	-	-	-	$\vdash$		•	•			-
Automated Systems Consultants	_	+	+	⊢	╄	-	⊢	-	+	-	+	-	-	۳	$\vdash$	-	•
Automated Teller Machine Services Group						•	+						•			•	•
Automatic Data Processing Inc.	•	-	-		-			•			•	۳	•	۳	-	-	-
Autumn Software		+	+	-	-	-	-	-	-	۳	+	$\vdash$	۳	╀╌	+	-	•
Auxton Computer Enterprises	-	+	+		-			+-	╁	+	+-	+	+-	+	╁	•	•
AVANT-GARDE Computing, Inc.		+	+	۳	-	<u> </u>			╁		+-	$\vdash$				•	•
Aviation Information Services Inc.	-	+	+		۳	-	۳	-	+	۳	+	+	۳	۳	+	۳	•
Aviation Information Services Inc.  Axios Group	-	-	+								+				+		-
Axxess Information Systems, Inc.		+		+	۳	۳	1	Ť	•	Ť	+		۲	+-	+	Ť	•
Aya Associates Inc. (AAI)		+-	-	+	-		1	+	1		-		+	-			•
Ayers-Whitmore				+	+-		+-	+-	+	۲	+	Ť	$\vdash$	+	+	۲	
Azrex Inc	-	+-	-			+-					-				1		•
B.K. Dynamics				-	-	-	-	-	-	-	-					1	
BA Managistics		_														1	
BDM International, Inc.						_								•			•
BGS Systems														•			•
BMC Software Inc.																•	•
BOS National (MPSI)			1									•					•
BPI Systems, Inc.			1							•							•
BRS Computing Inc.															T		•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Baird Petrophysical Group			•														•
Bakco Data Inc.	•	•								o	•	•					•
BancAids	Т					•											•
Bank of New Orleans and Trust Company																	•
Bankmatic Systems Inc.						•											•
BankWire						•											•
Baron Data Systems																•	•
Barrister Information Systems Corp																	•
BayBanks Data Services, Inc.			13			•											•
Beck, Thomas Inc.	•				•	•	•	•	•	•			•				•
Bell & Murphy and Associates Inc (BMA)	•																•
Beneficial Computer Services Inc						•	•										•
Benetics Corporation							•										•
Bergen Brunswig Data Services Co.								•		•		•					•
Better Methods Software Corp								•									•
Black, David R & Associates, Inc	•			•		•		•	•	•			•				
Boeing Computer Services Company	•			•	•	•	•						•			•	•
Bolt Beranek and Newman, Inc.	•				•			•	•				•	•	•	•	•
Boole & Babbage, Inc.	•			•	•	•	•	•	•			$\Box$	•			•	•
Boston Financial Data Services			_			•	$\perp$	_	_		_						•
Boston Systems Office (The), Inc.	•		•	•	_			•	•				•	•			•
Bowne Information Systems, Inc.			_	_	•	_	_	_	_	_	_		•			•	•
Bradford National Corporation			_			•			_		_	_	_				•
Bradmark Computer Systems, Inc	•		_	•	•	•	•	•	•	_		_	•			•	•
Brault, Strauchman Associates Breuer and Co.	$\vdash$		_	_	-	_	_	•	_	_	_	_	_				•
Bricmont & Associates, Inc.		•		_		_	_	_	_	_	_	_	_	•		4	•
Broderbund Software Inc.			•	_	-	_	_	_	_	_	_	_	_	_			•
Brokerage Software Systems, Inc.	$\vdash$	_			$\rightarrow$	•	_	•	•	•		_	_	_	_	•	•
Brokerage Transaction Services Inc.		_	-	-	-	•	-	-	-	-	_	-	_	-	-	_	•
Brown, Johnston & Associates Inc.		•	•	-	•	•	•	-	-	•		-	-	-			•
Brown, Sanders & Associates, Inc.		-	•		-	•	•	-		•		-	-	-	-		H
Budget Computer Systems	•	•	-			•	-		-	•		-					+
Budget Computer Systems  Budget Timeshare Inc		-	$\dashv$			•	-		-	-	-		-				•
Burlington Data Processing Inc.	-					-		•		-		-		-			H
Bush, Lloyd and Associates	•			•	•	•	•	-	•	•	-	-	•	-		•	•
Business and Professional Software, Inc.	•	+	$\dashv$	•	•	•	-	_	-	•	-	-	-	-	-	_	-
Business Application Systems, Inc. (BAS)		-	$\rightarrow$	-		-	-	•				•				-	6

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Business Applications Group	•										•					•	•
Business Automation Inc.	T									•							•
Business Computer Center	•									•	•	•					•
Business Computer Design	•			•						•		•	•		•		•
Business Computer Solutions Inc.	$t^-$		•											•	•	•	
Business Information Systems Inc.																•	•
Business Service Corporation	•			•		•	•		•	•			•			•	
Business Services Global Systems Services 5010		•	•	•	•		•		•		•	•		•	•		
Bytel Corporation				•	•	•	•	•	•				•				
C.A.C.I., Inc.														•			•
CAE Systems, Inc.		•							•					•			•
CCH Computax Inc.						•										•	•
CCS	•			•		•	•	•	•	•			•			•	•
CDS Systems, Inc.	Г																•
CFS Inc.	•			•	•		•	•	•	•			•			•	•
CGA Computer Associates Inc.		•			•	•	•			•							•
CGG Data Processing Service Inc			•														•
CGX Corporation	•			•	•				_		_			•	_		•
CL Systems Inc.	L	_	L	_			L				_		_		_	_	•
CMA Micro Computer	L	┖					L		•	_	•	•		L	_	•	•
CMC Associates Inc	•	•	•		•		_		•	•		•	•	L	•	•	•
CMC Software	•						_	L	•	•	L			L		_	•
CPAids	L				L	_	L			L			_	╙	L	•	•
CPS - Medical Billing Systems	L			L	┖	┖	L	•		_		_	_	L	_	╙	•
CPS Inc.	•	L		L	•	•	•	•	_	•		_		_		L	•
CR Inc (Compensation Resources)		┖	L.		_	_		_	_	L	L		L	╙	<u> </u>	Ļ	•
CRI	╄	_	•	L	_	•	L	L.	L	L	L	L	Ļ	L	-	•	•
CSW, Inc.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CTEC Inc.	•				_	•	L_	_		•		_	•	•	-	-	•
CUC Insurance Services	1			_	$\vdash$	_	•		_	-	-			-		-	•
C3 Inc.	-	-			-		-	$\vdash$	-	-		-		•	-		
Cable Data	-	-		-	•	-	-		-	-	•	•	-		-	-	
Cableshare Limited	•	-		-	-	-	-	-		•	-	-	-	-	-	-	
CADLINC Inc.	-	•	-		+-	$\vdash$	-	$\vdash$	-		-			-	-	-	
Cadnetix Corporation	•	-	-	-	•	•	•		-	•		-	-	-	+		
Cado Systems of MD, Inc.	-	-		$\vdash$		•	•	•	-	•	-			-		-	
CADTRAK	+	-	•	-	-	-	-	-	-	-					$\vdash$	-	
Calculon Corporation	_		L_		L	_	_	_	_	_		_	-	-	Ц.	_	

California Minicomputer Systems Inc. California Software, Inc California Systems Associates Call Computer Calma Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Camex Canada Systems Group Canada Systems Group Candle Corporation Cannon Computer Company Cannon Computer Company Canon Computer Company Cap-CPP Inc. Capcom Systems, Inc. Capcom Systems, Inc. Carec Corporation Care Computer Systems Care Information Systems Inc Carec Systems Inc. Carec Systems Inc. Carec Toporation Care Computer Systems Care Information Systems Inc Carl Information Systems Inc Carl Information Systems Inc Carl Information Systems Inc Carl Information Systems Inc Carl Information Systems Inc Carl Card Systems Inc. Carl Card Systems Inc. Carl Card Systems Inc. Carl Card Systems Inc. Carl Card Systems Inc. Carl Card Systems Inc. Carl Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Systems Inc. Card Sy	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
California Systems Associates Call Computer Calma Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Camex Canada Systems Group Canlel Corporation Cannon Computer Company CAP-CPP Inc. Capcom Systems, Inc. Capcom Systems, Inc. Care Computer Systems Care Computer Systems Care Information Systems Inc Career Systems Inc. Carleton Corporation Carousel MicroTools Capsor Processors Inc Catallatics, Inc. Catallatics, Inc. Catallyst USA Inc Cbord Group Inc. (The) Cbord Group Inc. (The) Centex Central Data Processing Inc. Central Data Processing Inc. Central Systems Inc. Central Systems Inc. Cantallor Group Inc. (The) Centex Central Data Processing Inc. Central Systems Inc. Central Systems Inc. Central Systems Inc. Central Computer Services Inc. Central Computer Service Inc. Central Systems Incroporated Century Associates Champion Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Corporation Changelon Service Services (CAS) Chemishare Corp		•															•	•
Call Computer Calma Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Camex Canada Systems Group Candle Corporation Cannon Computer Company CAP-CPP Inc. Capcom Systems, Inc. Capcom Systems, Inc. Carear Computer Systems Care Computer Systems Carear Computer Systems Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Carear Systems Inc. Contral Data Processing Inc. Contral Data Processing Inc. Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated Century Associates Contral Systems Incorporated C		•			•	•	•	•	•	•	•			•			•	•
Calma Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Camex Canada Systems Group Candle Corporation Cannon Computer Company CAP-CPP Inc. Capcom Systems, Inc. Capsco Cara Corporation Care Computer Systems Care Information Systems Inc. Career Systems Inc. Career Systems Inc. Careous Systems Inc. Care Corporation Care Computer Systems Care Information Systems Inc. Care Computer Systems Care Information Systems Inc. Care Corporation Careous MicroTools Capoen Systems Inc. Catelous Corporation Care Computer Systems Care Information Systems Inc. Care Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career Systems Inc. Career S									•		•						•	•
Calspan Corporation Advanced Technology Center		•															•	_
Cambar Business Systems Inc         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●			•	•		•				•				_	-		•	_
Camex         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>•</td> <td></td> <td></td> <td></td>														•	•			
Canada Systems Group         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Canal Corporation         Image: Cana											•							•
Candle Corporation         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●			•															•
Cannon Computer Company         Image: Cape of the computer Company of the computer Computer Systems of the cape of the computer Systems of the cape of the cape of the computer Systems of the care Computer Systems of the care Care Information Systems Inc.         Image: Cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape of the cape o		•					•							•				•
CAP-CPP Inc.		•				•	•	•	•	•	•			•				•
Capcom Systems, Inc.         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●		•																•
Capsco         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td>																		•
Cara Corporation         Image: Computer Systems of Care Information Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.         Image: Computer Systems Inc.<																	•	•
Care Computer Systems         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●								•										•
Care Information Systems Inc.         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● <td< td=""><td></td><td>•</td><td></td><td></td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td></td><td>•</td><td></td><td></td><td>•</td><td></td><td></td><td>•</td><td>•</td></td<>		•			•	•	•	•	•		•			•			•	•
Carreer Systems Inc.									•									•
Carleton Corporation         ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●									•			-						•
Carousel MicroTools		•					•	•			•			•			•	•
Casper Processors Inc       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■ <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td>•</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td>		•					_	_	_		•			_				
Catallatics, Inc.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		•			•	•	•	•		•	•			•			•	_
Catalyst USA Inc       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		•		•														
Control Group Inc. (The)							•											•
Centec Corporation         ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●		•									•							•
Centennial Computer Services Inc. Centex Centex Central Data Processing Inc. Central Systems Incorporated Century Associates Champion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changion Service Corporation Changio		_			•	_	_	_			_			_			•	•
Centex Central Data Processing Inc. Central Systems Incorporated Century Associates Champion Service Corporation Chancellor Computer Corp. Chang Laboratories Inc. Chase-TCMS Chedical Abstracts Services (CAS) ChemShare Corp		•			•	•			•	•	•			•	•			
Central Data Processing Inc. Central Systems Incorporated Century Associates Champion Service Corporation Chancellor Computer Corp. Chang Laboratories Inc. Chase-TCMS Chellonian Inc Chemical Abstracts Services (CAS) ChemShare Corp							•	•									•	_
Central Systems Incorporated		_	•											•	•			_
Century Associates		•		•														_
Champion Service Corporation         ●           Chancellor Computer Corp.         ●           Chang Laboratories Inc.         ●           Chase-TCMS         ●           Chellonian Inc         ●           Chemical Abstracts Services (CAS)         ●           ChemShare Corp         ●																		
Chancellor Computer Corp.         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● </td <td>Century Associates</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>▣</td> <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td></td>	Century Associates	•	•	•	•	▣			•	•	•	•	•	•	•	•		
Chang Laboratories Inc.         ●         ●         ●         ●           Chase-TCMS         ●         ●         ●         ●         ●           Cheltonian Inc         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●<							•											_
Chase-TCMS         ●         ●         ●         ●         Chellonian Inc         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● <td></td> <td>_</td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>		_		•														_
Cheltonian Inc         ●         ●         ●           Chemical Abstracts Services (CAS)         ●         ●         ●           ChemShare Corp         ●         ●         ●						•	•							•			•	_
Chemical Abstracts Services (CAS)  ChemShare Corp  O		_	_								•						_	
ChemShare Corp		•																_
			_	_						•	_			_	•			_
				•					_		_							_

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
CHIPS, Inc.	П							•		•		•	•			•	•
Christensen, Laurits R. Associates, Inc.	•	_	-	•	•	•	•	•	•			•				•	•
Christian Rousing Computer Systems	•	_															•
Chubb & Son, Inc.	1-						•										•
Cincom Systems Inc.	•			•	•	•	•	•	•	•			•	_		•	•
Circle Computer Services																	•
CISInetwork Corporation	•			•		•										•	•
Citicorp	T					•											•
Citizens Automated Systems						•										•	•
Citizens Financial Corporation						•											•
Claritas	•			•	•	•	•	•		•			•			•	•
Cliff Data Systems, Inc.	$\top$										•	•					•
Coastal Information Systems, Inc.		•										•					•
Cogito Data Systems	•				•						•		•				•
Cole, Layer, Trumble Company	П														•		
Collier-Jackson & Associates, Inc.	•	•	•		•	•	•										•
Colonial Data Systems, Inc								•									
Colonial Mortgage Service Company						•											
Com Code Corporation		•							•								
Comcheq Services Ltd																	
Comdata Network, Inc.				•													
Comm-Pro Associates	•					•	•	•	•		•		•	•			
Command Control & Communications Corporation													•	•			•
Commercial Data Corp.	•					•							•				
Commercial Resources						•											
Commercial Systems, Inc.								•			•						
Communication Controls, Inc	<u> </u>																
Communications Computer Services Inc	_							•					$\Box$				
Communications Solutions Inc.	1	•															•
Comp Info Inc.	•	▣				•	•									•	
Comp-U-Card International Inc.					•												•
Comp-U-Staff Inc	•									$\perp$							•
Compeda Inc.	•	•															•
Complete Computer Systems	•	•				릣				_		•	•		•		•
Complex Systems Inc Comptek Research Inc.	-	•				•			_	-						_	•
Compu-Link Corporation									-	-			•	•			•
Compucare, Inc.						•					_			-	•	_	•
Computare, rite.	Щ							•					Ц				•

INDUSTRY MARKETS	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	a
NAME	15	SS	Š	RA.	崖	N N	S	ED	20	OTA	ETA	읦	OTA	DE	Ā	SRV.	OTHER
	F	Ω	д	F	12		=	Σ		Ĕ	_	3	Ĕ	Ξ	20	S	Ċ
Compucheck						•				•	•						
Compufact		•								•							
Compumax Associates Inc.	•		•						•								
Compupower Corporation		•															
CompuServe Incorporated Computab Inc.	•		•			•	•				•		•			•	•
	•		•			•	•			•						•	
Computek	•				•	•			•	•			•			•	•
Computer Aided Manufacturing- International, Inc (CAM  I)	•															•	
Computer Application Systems Inc.																	
Computer Applied Systems Inc.				▣		•	•	•	•	•	_		•			•	•
Computer Assistance International Inc.	9	•	•				_	•	•	•	•	•	•	•	•	_	•
Computer Associates International, Inc.,	吕		-			•	•	$\rightarrow$	_	•			•			•	•
Computer Associates Inc.	H		-	_		•	•	-	•		•		•			_	0
Computer Center Inc. of Miami	ч		-	_		-	-	-	-	•	•	•	_	_		•	•
Computer Company (The)		$\dashv$	•	•	•	•	$\dashv$	•	•	•	$\dashv$	-	•	•		•	
Computer Concepts & Services Inc.	•		-		Н			-	-	•	-	-	•	4	•	_	
Computer Consoles, Inc.	-	-		-	•	-	-	-	-	-		-	•	-	•	•	•
Computer Corporation of America, Inc.		$\dashv$	•	$\dashv$	-	•	-	$\dashv$	-	$\dashv$	-+	-	$\dashv$	•	$\dashv$	_	•
Computer Corral	•	-	-	$\dashv$	-	-	-	•	$\dashv$	•	$\dashv$	$\dashv$	$\dashv$	-	-	•	•
Computer Cost Control Corporation		-	$\dashv$	•	•	-	$\dashv$	-	+	-	•	•	-	•	•	-	•
Computer Covenant Corporation	•	$\dashv$	-	-	Ť	-		$\dashv$	-+	+	-	-	$\dashv$		-		•
Computer Curriculum Corporation		$\dashv$	-	$\dashv$	$\dashv$	-	$\dashv$	_	•	+	-	$\dashv$	•	•	•		•
Computer Data Access Inc. (CDA)		$\dashv$			$\dashv$	-	-		-	•	•	•	-		-		•
Computer Data Systems, Inc.	•	$\exists$	$\dashv$	•	•	•	•	•	•	•	-	_		•	$\dashv$	-	•
Computer Designed Systems Inc.	•	_					$\neg$	•	$\neg$	•	1	$\dashv$		-	$\neg$		0
Computer Directions Advisors Inc. (CDA)	•			•	•	•	•	•	•	•	7	$\dashv$	$\neg$			•	•
Computer Dynamics Inc.	•	•	•	•		•	•	$\neg$	$\dashv$	•	•	•	7		$\dashv$	•	•
Computer Generation Inc.	•	$\neg$		$\neg$	•	•	•		$\neg$	•			•		$\neg$		•
Computer Horizons Corp.	•				•	•	•			•			•			•	
Computer Income Planning Corp.	•					•	•	•		•				1		•	
Computer Innovations	•	•	•		_	•		•	•	•	•	•					•
Computer Input Corporation				•	•	_	_	-	•			_	•		•		•
Computer Input Services, Inc						_		-	-	-	•	•				•	•
Computer Language Research, Inc.	•		$\rightarrow$	•	•	•	•	•	•	•			•				•
Computer Management Corporation Computer Management Dynamics, Inc	•		•			4		4								•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER	
Computer Partners, Inc.	•				•	•	•	•		•					•		•	
Computer Power Inc.						•											•	
Computer Procedures Corp.			•														•	
Computer Research, Inc.					•	•			•						•	•	•	
Computer Resources International															_		•	
Computer Results	•				•			•	•	•						•	•	
Computer Sciences Corporation	•			•	•	•	•				•			•	•	•	•	
Computer Services Associates						•	•	•		•		•				•	•	
Computer Services Corporation								•		•		•					•	
Computer Services, Inc.						•		•			•							
Computer Sharing Services Inc.	$\top$	Г			•	•												
Computer Synergy, Inc.								•										
Computer Systems Engineering	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
Computer Systems Group, Inc	•	•						•	•	•	•	•				•	•	
Computer Task Group Inc.	•	•	•	•	•	•	•			•						•	•	
Computer Technology Associates		•	•					•	•					•			•	
Computer Usage Corporation						•											•	
ComputerAided Design Resources, Inc.		•															•	
Computeristics, Inc.	•									•								
Computerpower Corp	•	•								•	•	•	•	L	•	•	•	
Computervision Corporation		•	•	•	•								•					
Computone Systems Inc.							•											
Computrae Inc.												1				•		
Computrol, Inc.						•	-										•	
Computron Technologi Company Inc.	•			•		•	•	•	•	•			L					
Compuware Corporation	•		L		•	•	•	L			•	•				•	•	
Comserv Corporation	•		•															
Comshare, Inc.	•	•			•	•	•		•	•			•			•	•	
Comspec Exploration	•		•														•	
Comtech Group International Ltd.	•			•	•	•		•	•	•			•			•	•	
Comtrac Inc.				•		-	100	•		•		17					•	
Comvestrix Corporation	•	•	•		•	•	•	•		•	•	•	•		•	•	•	
Concept Systems, Inc.	$\perp$									•	•						•	
Concord Computing Corporation	1						-				•		_			_	•	
Condor Computer Corp.	•			•	•	•	•	•	•	•			•			•	Ŏ	
Consolidated Computer Corp	+									•	•			-	_		•	
Construction Computer Control Corporation	$\perp$																•	
Construction Information Systems							_		_						_	_		J

INDUSTRY MARKETS COMPANY NAME	FOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Construction Systems Assoc.	۴	+-		-	-	-	=	e.	H	_	-	>	_	1	S	S	_
Consultants for Information Resource Management Inc.	⊢	⊢	•					•				_			_		•
Consulted  Consulted  Consulted	⊢	$\vdash$	-			뭐		片				•	•				•
Consumer Systems Services Group, Inc.		-	-	•	•	H	•	H	•	_			•		_		•
ConTel Data Services Corp	۳	-		_	H	ч	ч	ч	ч			-	•			•	•
ConTel Information Systems, Inc	-	$\vdash$			Н	-	Н					-		_			•
Context Management Systems			-	•	•	•	•	•	•	•		-	-				•
Continental Computer Services, Inc.	-			H	ч	4	_	Н	-	-			-	_	_	•	•
Continental Data Processing, Inc.		•	•		•	•	•	•	•	•	•	•		•	•	•	
Continental Information Systems	•	-	Ĕ	Ħ	d		•	•	•	•	-	-	•	_	ч	6	•
Continental Medical Systems	۳			_	_	-	-	•	-	_	-	-	•	-		-	•
Continental Software				•	•	•	•	•	•	•		•	•			•	•
Continuum Co., The	Ť			Ť	_	Ť	•	Ť	Ť	-	-	-	-			-	•
Control Data Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Convey Company, Inc.	•	-	-	•	•		•	•	•	•	Ť	_	•	_	_	•	•
Cook Data Services, Inc.	•	•	•						-			_	-			Ť	•
Corgill-Meyer and Associates													-				
Corodale Incorporated	•			•	•	•	•	•	•	•		$\dashv$				•	
Corporate Data Systems						•	$\neg$										•
Corporate Systems	•			•	•	•	•	•	•	•		$\neg$	•			•	•
Corporate-TECH Planning, Inc	•	•					•					$\neg$	•	•			•
Cost Systems Engineers						•										•	•
Creative Output												$\neg$	$\neg$				•
Creative Socio-Medics Corp (CSM)					$\neg$			•					•	$\exists$		$\neg$	•
Creative Software Concepts Inc						•	•	$\exists$			•	•			$\neg$	•	•
Creative Systems Group	•	•							$\neg$						$\neg$	•	•
Credit Bureau Inc. of Georgia						•			$\neg$	•						$\neg$	•
Ctrac Computer Services		•			•						•	•			•		•
Cullinet Software	•			•	•					•			•				•
Curtis-Wright Computer Service				•	•		•	•	•	•			•			•	•
Custom Application Systems, Inc.		7-1				•											•
Custom Computer Services						•			_	•							•
Cutler-Williams, Inc.	•	•			•	•	•	•		•	•	_	•		•		•
Cyber Data Systems CYBERNET		•	•				_									_	•
	•	•	•	•	•			_	-		•		-	•	•		•
Cybernetics and Systems Inc. Cybernetics System International Corp	•			$\rightarrow$	•	-	•	•	•	•		4	•		•		•
		_	_	•		•	_	_	_	_	_	_					•
Cybershare Ltd				•		•	•	•	•	•			•	•	•	•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Cybertek Computer Products, Inc.							•										•
Cyborg Systems, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
Cycare Systems, Inc.								•									•
Cycom Corporation										•							•
Cyma Corp								•								•	•
DBA Systems, Inc.	•													•			•
DBMS, Inc.	•			•	•	•	•	•		•			•			•	•
DCD Company		•															•
DDP Systems, Inc.			3		•				•			•	•	•			
DMI Systems, Inc.						•											•
DMR & Asociates	•	•	•		•	•	•	•		•	•	•	•	•	•		•
DMW Group, Inc.	•			•	•	•	•		•	•			•			•	•
DNA Systems, Inc.	•			•	•	•	•	•	•	•			•			•	•
DST Systems, Inc.						•										•	•
DYX Corporation	$\perp$					•	•										•
Da-Tronics, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dacor, Inc.										•	•	•					•
Dagar Enterprises	•		L	_	•		•	•		•			•				•
Daisy Systems Corp.	•	_	ļ	Ļ	_	_	_	_	_	_	_						•
Dalgety, Inc.	-		_	•	_	_	_			•					_		•
Daly & Wolcott Inc.	•	_	_	L	_	_	L	_	Ļ			_	Ļ			_	•
Darcor		•	•	•	•	•	•	•	•			•	•	Ļ	_	•	•
DASD Corporation	•	_		_	•	•	•		_		•			•	•		•
Dash Group, Inc			_	•	_	L	_		_				_		_	-	•
Data Architects, Inc.	•	_	_	•	•	•	•		_	_			•			_	•
Data Base Logic Inc.	•	-	_	_	_	•	_		<u> </u>	Ļ	_		_	<u> </u>	<u> </u>	•	•
Data Base Management, Inc.	•		_	_		•	_			•	_		•	_		_	•
Data Basics Corp. Data Belt Corporation	_	•	-		-	-				•		•			•	•	•
Data Communications Corporation							-	•	•	H	•	•	•			•	•
Data Communications Corporation  Data Computing Corporation	-	-	-	•	•	•	•	•	•			_	•	-	-	•	•
Data Concepts	-				-		-		-	-			•			-	•
Data Consultants Inc.	-+-	-		-	-		-		•		•			-	-	•	•
Data Counts	•	-		•		•	•	•		•			•			•	•
Data Design Associates, Inc.	-	•	•	-	-	•	•		-	H	•		-	-		-	•
Data Directions, Inc.	-	•			•	•	-			H	_		•		•	-	-
Data Flow Inc.	-	•	•		•	•	•	•	•	•	•	•	_		-		•
		1	_		-		•	•	•	_					_	•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Data Inc.	•	•			•												•
Data Index Incorporated	┸	_	L			•	•					•	•	•			•
Data Law Company																•	•
Data Management Inc.	•										•		•	•	•		•
Data Marc Inc						•											•
Data Processing & Accounting Services		•	•	•	•	•	•		•				•	•	•	•	•
Data Processing Center Inc.		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Data Processing Consultants				_					•	•	•	•					•
Data Processing Design, Inc.		•	•	•	•	•	•	•	•	•	•	•	•	•			•
Data Processing Services Inc.												•					•
Data Resources, Inc.	•				Щ	•					_			•	•		•
Data Solutions Inc.	1				$\Box$	•					_						•
Data Systems Consultants Data Systems Consulting Corporation	•	•							_	•	•	•					•
	-				$\Box$	_			_				Щ				•
Data Systems for Industry Data Systems of Baton Rouge	•				Н	_			_	•	_						•
Data Systems, Inc.	1				Щ						_	•					•
Data Tek, Incorporated				•	•	•		•	-	-							•
Data Tex, incorporated	1	-		H	8	•	•	•	•	•	•	•					•
Data Train, Inc.	6	•	•	H			•		•	•	•	•	H	•	•		•
Data Universal Corp.		H	_	_	-	-	•	_	-	•	-	•	ч	_	-	_	•
Data 3 Systems	H	H	•			-			-	-	-	-					•
Data-Tax, Inc.			_			•			-	-						•	
Data-Tronics Corporation	•	-		•	-	-		-	-	-		-				-	H
Database Design Inc.	•	-	-	=	•	•	•	•	•		$\dashv$	-	•			•	•
Dataco, Inc.			•		-	•	•		•	-	•	•	-	•	•	8	H
Datacomp Corporation		-	-			-	-	-	-	-	-	-	-	H	H		
Datacor Services Inc.	•	-					•	-	-	•		•		-	-		5
Datacrown Inc.	•				-	•	-	-	-	•		-				•	=
Dataflow Systems, Inc.	•	•											•		•	ŏ	
Datalift Corporation						•	101			•	•	•	_				
Dataline Systems Ltd.	•				•	•							•				•
DataMed Systems Corporation								•									•
Dataplex Company	•		•														•
Dataslink Business Systems, Inc.																•	•
Datatab Inc.		•			•	•						•				•	•
Datatel Inc.						•			•	•							•
Datec, Inc.	П	•												•		•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	-	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Datek Insta Card Corporation						•						_					•
Datex Inc	•	_		•	•	•	•		•	•			•	_		•	
Datronics, Inc	_	•									•		•	_			
Davidson Associates	$\perp$								•					_			
Dealer Information Systems		•					_	Ш				_		_			
DeBugge Computer Services Inc.		•								•		•					Ö
Decimus Corporation	_				_	•							_				
Decision Focus Inc.	-				•								•	•		•	
Decision Graphics													•				
Decision Products Services, Inc					•			•					_				•
Decision Sciences Corporation	•	•			•	•				•		•	•		•	_	•
Decision Systems, Inc.				_		_		_					_		_	•	•
Decisions Development, Inc.		•		•	•		_	_		•	•	•	•	•	•	_	•
Del Bron Inc		_		_		_	_	•	•				_		_	•	•
Del Rey Systems, Inc.	•	ļ.,	•	•		_	_			▣		_	_		_	_	•
Del-Data Computer Services	+					•	•		•				•		•	•	•
Delphi Data Systems, Inc.		•		•	•	•	•	•	•	•	•	•	•		_		•
Delphi Systems Inc.	_					_	•		_						•	_	B
Densichron Division	+	_	_	_	_			_	_			_			_	L	H
Denver Processing Center, Inc	•	_	•	_	_		_		_		_	_				_	
Denver Software Company, The	-	Ļ	_	_		_	_	•	•	▣		•		_	<u> </u>	_	
Design Aids, Inc.	4	•			L	-	_				_	_	_	_		•	•
Designers & Builders of Information Systems	•	_	<u> </u>	_	_	L.	-		_	•	•	•		_	_	•	-
DesignWare	+-	L	_	_	_	Ļ	Ļ		•	_	_	_		_		_	P
Development Systems International	•	•	_	•	_	•	•		•	•	▣	•			_	_	•
Dexel Systems Corporation	+-	_		_	•	•	Ļ	•	_	•		•	_	_		•	9
Dialog Information Services, Inc.	•	-		•	•	•	•	•	•	•	•	_	•		-	•	H
Dialogue Inc.		-		•	-	-	•	•	•		Ы		_			-	H
Digicon Inc.	-		•				-	•							-		H
Digidat Systems Inc.	+	•		-	-				_	•			-		-	-	6
Digital Datacom Inc. Digital Information Systems Corp. (DISC)	-	-		•	•	•	•	•	•				•	-		•	H
Digital Information Systems Corp. (DISC)  Digital Marketing Corporation	-	•	-	-	-	•	-	-		-			_	_		-	H
Digital Marketing Corporation  Digital Microsystems		-	-	•			•	•	•	•	-		•	-		•	
Digital Microsystems Digital Research Inc.	-	+		-	-	-	-	-	_	-		-	_		-	Ť	
Digital Resources Corporation	-	-	•		-				-				-			-	H
Digital Resources Corporation  Digitgraph Computers Systems Co	-	-	•			-			-				_				6
	1	_	_		-	-	-	•	-	-				-		-	

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
DIMIS, Inc.								•				•					•
Direct Merchandising Services											•	•					•
DIRECT, Incorporated	•			•	•	•	•	•	•				•			•	•
Directions Inc						•											•
DISC, Inc.						•											•
Display Data Corp										•							•
Distributed Systems Corp.		•									•	•					•
Distribution & Retail Systems Division										•							•
Distribution Management Systems Inc.						-											
Distribution Sciences Inc.	•										•						•
Diversified Computer Systems						•		•									•
Diversified Data Resources, Inc.	•			•	•	•		•								▣	•
Diversified Data Systems Inc.	•	•															•
DOSE Pharmacy Systems								•									•
Dow Jones News/Retrieval Service	_	ш				▣											•
Dubuque Data Services																	•
Dun & Bradstreet Computing	•	•	•	•	•	•		•	•							•	
Dun and Bradstreet		•	•	•	•	•	•	•			•	▣		▣			•
Duquesne Systems Inc.	•	$\vdash$	Ш		o			•	•			ш	•				•
Dyatron Corporation	$\perp$				Ļ			•	_	▣	•						•
Dyer, Wells & Associates	-				•												•
DYLAKOR	•				▣	•	•	•	•	o						•	•
Dynalectron Corporation																	•
Dynamic Control Corporation								•									•
Dynamic Data Processing Inc. Dynamicro Software Corp. (DSC)			•	•	▣	•		•	o				•			•	•
					Ш				ш					_			•
Dynamics Research Corporation	•													•			•
Dynax Resources, Inc.	-	•				Ö	•	•			•	▣					•
E.H.C. Data Group EBS Data Processing Inc.	•			•		•	•	•	▣	밁			•			P	•
EBS Data Processing Inc. EDP Corporation, The	•									-						•	•
EECO Computer Inc	-					_	-	•	-						$\vdash$	•	•
EFT Data Services, Inc.	_	H				•										-	•
EMA, Inc	•	H	$\vdash$	•	•	_	-	-	Н		Н		•	_	•	-	•
ESI ESI	-		$\vdash$	-	-	•	•			•			-		-		•
ETA International, Inc.	-	•	$\vdash$			H	-			-	7	•			•		•
		-		_		_					_	-		_			•
Eagle Computing Corporation		1 1									ы						

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Economic Technology Association (ETA)					_	_		Ш					•	•	_		•
EDU-Ware Services, Inc	$\perp$		_		_	Ļ				•			_	-	_	_	•
Educational Methods, Inc	-	_			_	•			▣					_		•	•
Electrocon International, Inc.	-				•		-							•			
Electron Information Systems	•	•					_		•				•	•	•		•
Electronic Banking Systems	+-		_	_	_	•	_			_	_	_	_	-		_	의
Electronic Data Systems Corporation	•		_	•	•	•	•	•	•	•	_	_	•		_	•	H
Electronic Tabulating Corporation	+		_	_	_	_	•				_		_		•		-
Elke Corporation		_		•	•	_		•					_			_	•
Embassy Institute, The	$\vdash$					•	_									•	H
Employee Communication Services Inc.	+-	_	_			•	•	•					_			_	9
Endata, Inc. Energy Analysts Inc	•		•				•	Н	•		▣	•	_			•	Н
	-		_		•			Н					_	•		-	H
Energy, Inc.	-		•		•			•	_	Н		Н	_	-		$\vdash$	H
Engineering Systems Corporation	۳	•	•		•			-	_	Н		Н	_	Н		•	H
Enterprise Computer Systems	-	-			-											_	H
Environmental Systems Research Institute	+												•	-		•	•
Equifax Inc.	+				$\vdash$	•	•	•	-	•	-	-	_	-	-	•	
Erisco Inc.		-		-	-	-	•	•		Ť	-	-	_	-	$\vdash$	Ĕ	
Escom, Inc.	1-	•	-	•	•	•	_	•	•	-	-	•	_	-	•	•	
Essex Corporation		Ť		•	•		•	=	•	•		H	•	Н	Ŭ	Ť	
Evans & Sutherland	1			•	Ť	_	-	H	ŭ	H		Н	•	Н		-	
Evergreen Geophysical Associates Inc	•	-	•	-	1		$\vdash$	Н		Н			Ť	Н	$\vdash$		
EXECUCOM Systems Corporation	•		-	•	•	•	•	-	•				•	H	-		
Executec Corporation	•			Ť	Ť	•	•	H	•	ä			Ť	-	-	•	
Executive Compumetrics	•	•	•	•	•	6	•	Ť	Ť	Ħ		7				•	
Exploration Processing Corp	•		•				-									Ť	•
Explorer Seismic Services	•		•														•
Factory Systems	•																•
Fair, Isaac Companies	П					•				•	•						•
Fairfield Data Processing	•		•														•
Federal Data Corp													•	•			•
Ferox Microsystems, Inc.	•			•		•										•	
Fidler Bateman									•	•			•		•	•	•
Fields Financial Services Inc						◙											•
Figgie Systems Management Group, Inc.	•						•				•	•					•
Financial Data Services																	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Financial Decisions Systems, Inc.				•	•	•	•	•	•	•			•			•	•
Financial Institution Services, Inc.				•		•	•	•								•	•
Financial Interstate Services						•											•
Financial Services, Inc.						0											•
Financial Software Inc.	•					•										•	•
Financial Software of America						•											•
Financial Systems Consultants						•			•	•							•
Finar Systems Limited			•			•	•	•	•	•							•
Finserv Computer Corporation		•				•	•	•			110		•				•
First City Services Company						•											•
First Computer Corporation						•											
First Computer Services, Inc																	•
First Data Management Company						•											•
First Data Resources, Inc.				•		•	•			•	•						•
First National Corporation of Appleton		L				•											•
Five Technology, Inc.	•			•		•		•		•						•	•
Fleet Information, Inc.		_	_			•				•							•
Fleet Management Systems, Inc.		•	_	•	•	•			_		•	•				_	•
Florida State University Computing Center				•			_		•						•		•
Flow General, Inc.		•	•				_		•			Ш		•			•
Fong Gifford Associates				_	L.,		•								•		•
Ford & Associates, Inc	•	_		•						•	•	•					•
Foresight, Inc.	•								-	•						•	•
FORTH, Inc.	-																•
Fox & Geller, Inc.	•	-		•		•	•	•	•	•			•			•	•
Frey Associates, Inc.	-			-	•	•											•
Frey Federal Systems Corporation Friesen International, Inc.	_												•				•
Friesen International, Inc. FundsNet, Inc.	-							•	•								•
Funds Net, Inc. Fusion Products	-			•									•			틧	•
G. T. Software, Inc.				•		•	•	•									•
GMD Systems International Inc.	-	•	•			-		_								_	•
GMS Systems, Inc.	-	-				•	•										•
GTECH Corporation	_					_	9								•		•
Galler Automation Industries Inc.				•		•	•	•	•	•			•		_		•
Galler Hospitality Systems Inc.						_	_			-						_	•
Gamma Systems Services	+							•									•
Gancom Inc.		•		•	•			Ħ		•			•	•	•	•	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Garner Venture Computing	Т						•										
Garrett Computing Systems Inc.	$\top$				•												
Geac, Inc.	Т					•										•	
GEJAC Incorporated			•		•	•			•								
Gemini Business Systems										•		•					•
GENASYS Corporation													•	•	•		
Genelco, Inc.	•			•	•	•	•	•	•	•			•			•	
General Computer Corporation								•			•					•	
General Construction Data Systems,Inc																	
General Contractor Data Service																•	
General Electric CAE International, Inc	•	•														•	
General Electric Information Services Company		•	•			•										•	
General Systems Group, Inc.	•	•	•	•	•	•	•						•	•			
Genesistems, Inc																•	
Genesys Software Systems, Inc	•			•	•	•	•	•	•	•			•				
Genigraphics Corporation				•	•	•	•		•	•			•		_	•	
Geo Data Corporation																	•
Geo-Search Seismic Processors	•		•												_		
Geobased Systems, Inc	⊥_			•	•				•				_	•	•		
Geodynanmics Incorporated	•		•														▣
Geographic Systems	•		_	•	•	•	•	•	•	•			•	_	L	•	•
Geophysical Systems Corp	•	_	•		_	L	_				_		_	_	L		•
GeoQuest International Inc.	•	_	•	_	_		_				<u></u>		_	_	L	_	
Geosource Inc.	•		•		L						_	L		_	L		▣
Gerard Systems, Inc	4	_				L		_		•			_	_	_		•
Gerber Scientific, Inc.	•	_	_			_	<u> </u>	_	_		_		_	_	L	_	o
GESCO Corporation	_	_	_	_		•	<u></u>	_	_		_		_	_	ļ	L	o
Global Computer Systems Inc	4	_	╙	_	_	L	_	_	_		_	_	_	ļ	_	•	9
Global Data Corporation/DFA	-		-		_	•	_	•								•	밁
Global Software	-	•	•		•	•	•	•			•	•		•	•		_
Goal Systems International Inc		-	-	•	•	•	•	•	•	•			•		-	•	
Goldbrick Inc.	1								•							•	H
Gottfried Consultants Gramco Inc.	•				•	•		•				•				•	H
Gramco Inc. Graphic Arts Data Service	•	•						•				_				-	H
Graphic Arts Data Service Graphic Software Systems	-	•				•		•	•				•				H
Graphics Concepts, Inc.	+	•	•			•		9	•				-				
Graphics Concepts, Inc. Graphics Technology Corporation	-	-	-			-											
Grapines rechnology Corporation	1ª			_		_	_	_									

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Great Lakes Information Systems Ltd.	•									•						•	•
Great Plains Software, Inc.	- 0	-	_	•	Н	•	•	•	•	•			•	-	-	d	•
Greer Sontag Associates Inc.	Ť			Ť		•		Ť	Ė				_			Ė	•
Groundstar Software	+			_		-		F	Н	•	•					•	•
Group Operations, Inc.				•	•	•	•	•	•	•	Ė			•		•	•
Grumman Data Systems Corporation				•	•		•						•	•			•
Gull Resources Management Systems, Inc	$\top$	•															•
H & A Computer Systems Inc				•		•	•			•		•				•	•
H & W Computer Systems				•	•	•	•	•	•	•			•			•	•
HAI Computer Services								•									
HBO & Company								•									•
HW Systems, Inc.							•										•
Hadron Inc.				•									•	•	•	•	•
Hal Systems & Services			•				•									•	•
Hallahan, G.W. and Co Inc.										•							•
Haney & Associates							•			•							•
Harfax Database Publishing				•		•	•						•	•	•		•
Harris Data Service Inc.	•									•	•						•
Harris Publishing Company		•															•
Hart Systems Inc.										•	•						•
Haverly Systems Inc.	•		•	•	•	•	•		•	•	•	•	•	•	•		•
Hayden Publishing Software											•						•
Health Information Systems Inc. (HIS)											_						•
Health Systems Institute of Maine	$\perp$							•		_			•				•
Heights Information Technology Service, Inc.	•			•		•	•	•	•		•	•		•	•	•	•
Heineck Associates, Inc	•									•					_	•	•
Helm Data Processing Inc.	•	_	•			_	_			•	•	<u> </u>					•
Hemenway Corporation	•	_	•			_					_						•
Henry, Jack & Associates	_	-			-	•				-					-	_	•
Heritage Computer Corporation	-		_			_	•		-	-						_	•
Heuristic DataSystems, Inc.	•	•		-			-	•	•	•	-	-				•	•
High Technology Software Products, Inc	-			-		•		•	-	•	-	•	•	_	•	•	•
Higley & Company, Inc.	-		•			-		•	-	-		•	_		-	-	•
Hilltop Enterprises, Inc. Hogan Systems, Inc.	-	-	-			•	-	-		-	-				-	-	•
Holand Systems		-	-	•	•	•		•			-	-				•	•
Holland Systems Holmes & Shaw Inc.	-	-		•	-	-	-	-	-	-	•		-			-	•
Honeywell Inc.		_	•	•	•				•		_	_		_		-	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Horizon Software Systems	L								•							•	
Hospital Data Services								•									
Hotze, James B. Company	_					•										•	
Houghton Mifflin Company	_								•	•	•						
Houston Data Center Inc.	$\perp$	•	•	•				•			•						
Houston Engineering Research Corporation	•		•		•												▣
Houston Information Systems Inc																	
Houston Processors Inc	•		•														•
Humatix Business Systems Inc.																	
IBM Information Network		•		•													
IDSI	$\perp$																
IFA Computer Services Inc.	•				_		•										•
IMI Systems	•				•												
IMS Systems Corporation	╙																•
ITT Dialcom, Inc.	•					•	•			•			•				•
I-Concepts, Inc	•																
Iconix				•	•		•	•	•	•			•				•
Illinois Micro Inc								•									
In-Situ Inc	•		•														
Incepts, Inc.							•										
INCO Inc.			_		•			•									
Indecon Inc.	•			•	•			•	•	▣			•			•	•
Independent Computer Systems (ICS)	•		_	_					Ш			•					•
Independent Tax Corporation (ITC)	┦		_	_					Ш							•	•
Index Systems Inc.	┦		_	•	_	•	•		Ш	▣							•
Info Systems of North Carolina Inc.		•	•	_	•	•						•				•	•
Infodata Systems Inc.	•		•	_		•	•						•	•			•
Infographics Inc Infomark, Inc.	$\vdash$		-	_	_	•		_	_				•		Ш		•
Informata Landex Systems	$\square$											•					•
Informatics General Corp							g										•
Information Access Corp.	•					•	•			•			•			•	•
Information Access Corp.	•		-	•	•				•		_						•
Information Handling Services	H		-	-		•	•	•	-			-	•	•	•	•	-
Information Management International	H				-	•		•	•		-		•	•	•	•	-
Information Management Technologies		•	•	•			•	-		•	•	•	•	•	•	-	믦
Information People Inc, The	-	•	-			_		•				•			-	•	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Information Processing Corporation	•	•	•		•								•		•		•
Information Research Associates	•	•		•	▣	•		•	•	•			•				•
Information Resources Inc.	$\perp$	•															•
Information Resources Ltd	$\perp$									•	•	•					•
Information Science, Inc.	•			•	•		•									•	•
Information Systems Inc.	•																•
Information Systems Inc.		•				•	•	•		•			•			•	•
Information Systems of America, Inc. (ISA)							•			•							•
Inforware Systems, Inc (ISI)						•				•		•					•
Infoservices, Inc								•								•	•
Infotec Development Inc.								•					•				•
Infotecs	•	•	•				•										•
Innosys, Inc.	1					•											•
Innovation Data Processing, Inc.	•			•		•	•		•	•			•				
Innovative Software, Inc.										•	•	•					•
Input Output Computer Services														•	•		•
Input Services, Inc.				•	•	•	•	•	•	•			•			•	•
Insight Software Systems Inslaw, Inc	•				_	_	_	_		•	_	_	_	_			•
Insurance Information, Inc	-	_			_	_	_	_	_	_	_	_	_	_		•	•
	-				-	_	•	_	_		_	_	_	_			•
Insurance Servicing & Information Systems Corp.	-				_	_	•	•					•	•		•	•
Integral Business Computing, Inc. Integral Systems, Inc. ISI	•	•		_		_	_	_		•	•	•	_				
Integral Systems, Inc. 151 Integrated Automation Inc.	•		_	•	•	•	•	•	_	•		_	•			•	•
Integrated Automation Inc. Integrated Office Concepts Inc.	•	•	o	•	•	•				•	•	•	•	•	•	•	•
Integrated Office Concepts Inc. Integrated Software Systems Corporation (ISSCO)	•		•		•	•	•	•	•	•	_	$\dashv$	•	_	_		•
Integrated Software Systems Corporation (ISSCO)  Integrated Systems Group Inc.	•			•	•	•	•	•	•	•	_	_	•	•		•	•
Integrated Systems Group Inc.  Integrated Systems Management	-	•		_	-	•	-		_		_	_	-	_	•		•
Intel Systems Corporation	-				_		$\dashv$	•	_	•	•	•	_	_	_		•
Intel Systems Corporation Intellectron International, Inc.	-		•	•	•	•	-	•	•	-			-	•	-	•	•
Intelligence Interlink Corporation				-		•	-	•					•				•
Inter-Care						-		•	-	-	-	-	-	-	-	•	H
Inter-Care Interactive Applications, Inc.	•	•				-		•								-	-
Interactive Applications, Inc.  Interactive Information Systems, Inc.			•		-	-	-	-	-		-					-	-
Interactive Information Systems, Inc.	1	-	-	-	-	-	$\dashv$	$\rightarrow$	$\dashv$		•	•	$\dashv$		•	-	-
Interactive Logic Inc.			-		-	$\dashv$	-	$\rightarrow$	-		-	-	•		-	•	-
Interactive Management Systems, Inc. (IMS)	1	•	•									•	_		$\neg$		•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
Interactive Software Inc.	•		•			_			_				_			_	•
Interactive Software Systems Inc.	•	•	•		_	•		•		•					_	•	
Interactive System Corporation				_	•								•	_	_		▣
INTERACTIVE Systems Corporation	•			•	•	•	•	•	•	•			•			•	
Intergraph Corporation		•	•		•		_	_					_	•	•	•	
Intermetrics, Inc.	•	•	•	<u>L</u>	•					_			_	•	L		•
Intermountain Health Care, Inc								•	_							_	
International Business Services Inc.												_	•	•	•		•
International Computaprint Corporation		•			•								•	•			•
International Computer Systems																•	•
International Computing System	•		•											_			•
International Graphics	4				_			L	L			_	_	_		•	•
International Micro Systems Inc.	•				_			•	•		•	•		_		•	•
International Programming Labs	_				_			L				_				•	
Interpretive Data Systems	$\perp$			L				•						_			
Interpretive Data Systems	-		_					•						-	_		
Interstate Computing & Software Corporation		•		_		•	_	_	_				-	_	-		•
Investment Computer Services Inc	•	_	_	•	•	•	•	•	•	•		_	•	_	-	•	•
JBS Associates, Inc.		_		_	_	L.	_	_		L	•	_			<u> </u>	_	
JMI Software Consultants Inc.			L	_	•			•	_	•		_		_	_	•	
Jackson Seismic Processing Inc	•	_	•	_			_			_		_	_	_	_	-	o
Jacobsen & Associates	•	•	•	_	_	_	_	Ļ	_	_		<u> </u>	_	_	-	_	•
James, Fred S. and Company	•	_	_	•	•	_	•	•	_	•		_	•	•	•	•	
Johnson Systems Inc.	•	_	L	•	•	•	•	•	•	•	_	_	•	•	•	•	-
Johnston Brown & Associates Inc (JBA,Inc)	•	L.	_	_	_		_	_	_	•		_	_	_	_	•	
Jones/Hosplex Systems, Inc	-	-	<u> </u>	<u> </u>	_			•	_	_	_	_	-		⊢	-	H
K & R Custom Software Inc	-	-	-					-	•	•					-		H
KGA Engineering Inc	•	•		•	•	•	•	•	•	-	-						
K.H. Little, Inc. K-Squared Systems	-	-	-	-	-	-	-	-	-	-		-	•	•	•	-	H
Kappa Systems Inc.	+		-	-	-						-		-	•	•	•	H
Kates Komputers	+-			-		•		-					-	-	-	-	H
Keane, Inc.	•	-			•	•	•	•		•						-	•
Kearney, A.T.	-	-		•	•	•	•	•	•	•				•		•	
Kearns, Robert J., Inc.	+		-	-	Ť	Ť	•	•	Ť	•	•	•	-	Ť		•	•
Kebert Corporation	-		•	-	-	-	•	-		_					-	•	H
Kennedy & Coe	-	•	•	•	•	•	•	•	•	•	•		•		•	•	•
Kentron International Inc.	-1-	-	_	-	•	-	-	-	-	-		-	•	•	•		

INDUSTRY MARKETS	Ι	Ş	ي									z			ENT		
MARKETS	TURING	ACTURI	CTURIN			CE		ITAL		NOI	NOL	RIBUTIO	LN	MENT	DVERNM		
COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Key Data Services Inc.	۴	F	-	-	F	•	-	-	-	_	-	_	_	-	O.	S	9
Keydata Corporation	•			$\vdash$	⊢	-		-	-	•	-	•	-	-	-	-	•
Keypunch & Systems Support, Inc.	-	$\vdash$			$\vdash$	$\vdash$		Н		-		_			-	-	•
Keystone Computer Associates Inc.	-	-											•	•			•
Kimbrough Computer Sales, Inc.	1	-	-	-	•	•	•	•	-	-		•		Ť		•	•
Kirchman Corporation	-				Ť	•	-	Ť				Ť		-		Ť	•
Knuth Computer Services Inc	1			•	•	Ť										•	
Krell Software Corp				-	Ť				•							Ť	•
Krohm International, Ltd				$\vdash$		-			Ť					_	$\vdash$	-	
LCS Data Processing Inc.	Ť	Ť				•											
Laidlaw, Richard E. Inc.						Ė				ā	•	•					
LAN Systems, Inc.	•	•	Н	$\vdash$			Н		Н	Ħ	Ŭ	ě				•	
Landart Systems, Inc.	•	Ė	Н		•	•	•			Ė		Ė				Ť	
Lawson Associates	•		П	•	•	•	•	•	•	•		П	•			•	
Learning Company, The	Ė			Ė					•			П				Ė	
Legal Data Systems																•	
Levi, Ray & Shoup Inc.							•				7		•				
Libra Technology Group	Ė					•		•					•				•
Lifeboat Associates Inc.	•	•		•	•	•	•	•	•				•			•	•
Link Systems	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Linton, Shafer & Co	$\vdash$								П							•	•
List Processing Company, Inc.	•			•	•	•	•	•	•	•			•	_		•	•
Litton Computer Services	•			•					П				•	•			
Lockheed DataPlan Inc	$\vdash$			•									•	•			•
Lockwood Association Inc, The	•		•								•						•
Logic Inc.	$\vdash$						•										•
Logical Design Corp.	•	•	•				П									•	•
Logicon Inc.	•	•	•											•			•
Logistics Systems				•													•
Loris Data Associates Inc	•			•		•							•		•		•
Lotus Development Corporation	•					•		_		Q						-	•
Loud Consulting Corp						•		•								•	•
Lowenthal Programming Corporation	•			•		•	•		•								•
Lowry, James H & Associates	•			•	•	•	•	•	•				•			•	•
Lupfer & Long, Inc.																	•
Lynch Data Processing	•					•						▣					•
M.W.L. Inc	•																•
M/A-COM Sigma Data, Inc.													•	•			

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
MBS Software	•		•		•					•	▣	•	o	•		•	
MCBA																	•
MCRB Service Bureau							▣			•			▣				
MCT Information Systems, Inc.							▣		▣	•						▣	•
MD-Dexel Systems Corp				_		•											•
MDC Systems Corp	•			•		•	▣	▣	▣				•			Ц	•
MDS Lawtime																ᇊ	•
MDS Soft Pro System																o	
MDS, Inc.						•											•
MHT Services Inc.	•			_		•		•									•
MIPS Software Development Inc.		•	•	•	•		•	•	▣	•			•				•
MIS Associates	•								•	•							•
MIS, Inc.	•			_	•	_	•		•	•					•	▣	•
MJK Associates	-			_		•											•
MNC International, Inc. Micro Network Division	•			•		•				•							•
MPSI Group Inc., The	Ļ			_		•							•	_			•
MVSE Software				_					•		•	•					•
MacDonald Computer Systems	-		_	_						•							•
MacNeal-Schwendler Corporation	-	•	•	•	_		_		•	Н			•	_		▣	
Macro Corporation	•		•	_	•												
Madic Corporation	•						-	•		•	_						
Magnum Communications, Ltd 320 Interstate N. Pkwy.			H		_	•									$\blacksquare$		H
Mailhouse, Inc.	•	•			_	_	_			•	•	ч	$\vdash$	Н	$\blacksquare$	Ш	H
Mamba Inc		•	므					•							Н		H
Management & Computer Services Inc.  Management Computer Services, Inc.		•	•	•	H	片		H	•	H	•	•	H		•	u	H
Management Computer Services, Inc.  Management Computer Controls	-	-	-	•		_		-	•	-		•	•		•		H
Management Computer Controls  Management Control Systems Inc.		•		_												-	H
Management Control Systems Inc.  Management Cybernetics International	-	_		_		-	•					-					H
Management Cybernetics International  Management Data Communications Corporation	•							•		•	•	•					H
Management Data Communications Corporation  Management Decision Systems, Inc.		•	•			•	7			-	-	-					H
Management Decision Systems, Inc.  Management Design Associates	•	Н	-	÷	H		H			•			H				
Management Directions, Inc		-		_	H	H	Ħ	H		ä			Ħ			Ħ	H
Management Information Systems Group, Inc. (MISG)	۲										-	•					H
Management Science America, Inc.	•			•		•	•		•	•	•		•			•	H
Management Systems Associates	H			_				H		-	-	-					
	$\vdash$	-	_					_	_	-	-	_					-
Management Systems of Wausau Inc.		1 1												- 1			

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING			BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Manager Software Products Inc.	•	•	•	•	•	•	•	•		•	•	•	•	•		•	
Mandalla Information Systems																	•
Mann Data Inc.	•									•		•					•
Mann, Charles & Associates Micro Software Division								•									•
Mantissa Corporation	•		-		•	-			•					•	•		•
Manufacturing and Consulting Services Inc (MCS)	•												_				•
Manufacturing Data Systems, Inc. Manufacturing Education Services, Inc	•			_	•								•			_	•
	•				_									_		_	•
Manufacturing Management Systems, Inc Manufacturing Resources Management	•	•	•													_	•
Manufacturing Resources Management  Manufacturing Solutions and Systems	•	•	•														•
MANUS Services Corporation	Н	•	-		Н						-	•	•		•	•	-
Marathon Management Systems	-	_		Н	Н		_			•	$\dashv$	•	ч	$\dashv$	•	ч	•
MARC Analysis Research Corp.	$\vdash$	•		•	•			-						•	_		•
Marcam Data Systems Corporation	•	_		_	-				-	-	-	-	_	-	-		-
Marchbanks and Parker, Inc.		Н		Н	Н					•	•	•			-		•
Marcoin Business Management Services, Corp										•	•	-					
Mariposa Corporation	•			•	•	•	•		•		-	_		•		•	
Maritime Computer Corporation	0		•	•	Ť	Ĭ		_	_	_	$\dashv$	-	-	_			•
Mark/Ops	•	•		•	-	•		•			$\dashv$		•			•	
Marketing and Systems Development Corp., The	•	-		•	•	•	•		•	•		-	•			•	•
Marshall and Swift Publication Company	•	•	•		•		•							•	•		•
Martell Laboratories	•		•		•									•	•		•
Martin and Stern Inc.		•											•	•			•
Martin Marietta Data Systems	•	•	•	•	•				•	•			•	•	•	•	•
Master Information Systems						•											•
Mathematica, Inc.	•	•	•	•	•	•	•		•	•			•			•	•
Mathematical Applications Group	•									•							•
MATHTECH, Inc.						•		•						•			•
Matlen Silver Group Inc., The				•		•	•										•
Matrix Insurance Services Inc.							•										•
May & Speh Processing Center, Inc.		•	•			•	•	•		•							•
McCormack and Dodge, Inc.	•	•	•	•	•	•	•	•		•	•	•			•		•
McCullough and Associates		•	•													•	•
McDonnell Douglas Automation Company	•	•	•		•		•	•									•
McGraw-Hill Information Systems Company					▣		•								•		•
McGraw-Hill/Multilist																	•
McSpadden & Porter Inc.	•	•	•														•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	● FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Mead Data Central	•					•	•	_					_	•	_	+	H
Med Logic Systems	+					_		_			_		_			_	H
Media Services Inc./3M	+					-			-								H
Medical Data Control Medical Data Services	+						-										H
Medical Data Services  Medical Datamation	-							_	•				-				爿
	•							•	•		-		•			-	8
Medical Engineering Inc  Medical Information Technology Inc. (MEDITECH)	+				_					•		_	-		-		H
	-		_					6		4				-			H
Medicus Systems, Corp.  Medidata Inc.	-																H
Mellon Bank Data Center	+				-	•	Н	-	Н	-		_		$\dashv$		_	H
Mentor Graphics Corp	+			Н		_		-		-		Н		$\dashv$		•	H
Meridian Systems Inc	•		•					$\dashv$				_	-	$\dashv$	_	•	6
Metamorphics	╇		=					$\dashv$		•	•	•	-		-	•	3
Metasystems Inc.	•						-			_	4	_		$\dashv$		-	3
Metier Management Systems, Inc	-	•	•	•	•	•	•	•	•	•	•	•	•	•			-
Metro Bank	1	ĕ	ä	ä	-	ä	-	-	ŭ	-	Ĭ	ŭ					•
Metro System, Inc.			•	•	•	•	•	•	•	•			•	$\dashv$			•
Metrocom Inc.	+		ä	Ť	-	•	-	•	ð	-	$\dashv$	•	Ť	•	$\neg$	-	1
Metromail Corporation			ä			Ť	•	-	-	•	-	Ť	$\dashv$	-	$\dashv$	-	•
Micor-Net, Inc.	+		Ť		-	•	-	•		Ť		$\neg$	$\dashv$	$\dashv$	$\dashv$	-	•
Micro Associates Inc.					-	Ť		-		-			$\dashv$	$\dashv$	$\dashv$	-	•
Micro Business Software Inc. (MBSI)	1					-		$\dashv$				-		$\dashv$		•	
Micro Business Systems Inc.	•									•	•	-				•	•
Micro Computer Management Inc	•									•	•	•				•	1
Micro D, Inc.												•					•
Micro Data Base Systems, Inc. (MDBS)	•			•	•	•	•	•	•	•			•			•	
Micro Five Corp																•	•
Micro Focus Inc.		•															•
Micro Macro Systems Inc.	•	•	•			•		•		•	•		•	•	•	•	•
Micro Solutions, Inc. (MSI)		•				1				•	•	•				•	•
Micro-Base Associates, Inc.	•								•							•	•
Microcommet		•	•		•				•			•		•		•	•
Microcomputer Software	•			•		•				•						•	•
Microcon Digital Systems Inc								•		•	•	•				•	•
MicroPro International Corp	•								•	•			•				•
Microsoft, Inc.		•							•								•
Microsystems Consulting																	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Mid-American Control Corporation	Т									•	•	•	•		•	•	•
Midcom Corporation				•	•	•	•	•	•	•			•			•	
Miller Computing Corp									•							Ė	•
Millerick & Associates Inc.																•	
MIMICS, Inc.						•											
Mincron SBC Corporation				•	•	•	•	•	•	•			•			•	•
Mineral Search, Inc		•	•											Г		_	•
Mini Data Systems				•	•	•	•	•	•	•			•			•	•
Mini-Computer Business Applications, Inc. (MCBA)		•										•					
Mini-Computer Support Group				•			•	•		•						•	
Miningham & Oellerich, Inc.				•	•	•	•	•	•	•			•			•	•
Ministry Management Systems																•	•
Misco				•	•	•	•	•	•	•			•			•	•
Mitchell Matics							•										•
Mitre Corporation													•	•			•
Mnemonics Inc.																•	•
Mobius Division					•				•							•	
Modern Computer Systems Corp																	•
Modular Information Systems, Inc. (MIS)	_					•											•
Monchik-Weber Corporation	_					•	_										•
Money Management Systems, Inc.	$\perp$					•											•
Montgomery Data Systems Inc.	•	_		•	•	•	•	•		•			•	_		•	•
Morino Associates Inc.	•			•	•	•	•	•	•	•			•	L		•	•
Multinational Computer Models Inc.	•					•	•			•			•			•	•
Multiplications, Inc	-			•		•							•	•	•		•
Muse Software									•							•	•
Mylee Digital Sciences, Inc.				_						•							•
NCA Corporation	•					_											•
NCNB Corporation NCR Data Services						•											•
						•					•		•				•
NSA, Inc. National Bancard Corporation	-			_	•	-	•	•	•		•		-			•	•
National Check Records Corp.	-					-					-						•
National Computer Analysts Inc.						•											•
National Computer Systems, Inc.	-					•		•									•
National Data Communications	+					_		H									•
National Data Communications	-		•	•		•		H		•							•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
National Economic Research Associates, Inc.					•											•	•
National Evaluation Systems, Inc		•	•		•				•				•		•		•
National Information Systems, Inc.		Т		•	•	•	•	•	•	•			•			•	•
National Planning Data Corp		Г		•	•	•	•	•	•	•			•			•	•
National Systems, Inc		П		•	•	•	•	•	•	•	•	•	•		•	•	•
National Training Systems		П		•	•	•	•	•	•	•			•			•	•
Nelson & Bauman, Inc		П					•										•
Neodata Services																	•
Neshaminy Valley Information Processing Inc. (NVIP)			-	•	•	•	•	•	•	•	-		-	•		•	•
Network Consultants, Inc.																	•
Network Data Processing Corporation		П			•		•		•				•		•		•
New England Management Services Inc	•		•			•											•
New Systems Inc		П														•	•
Nichols & Company Inc.	•				•	•	•	•	•	•			•				•
Nicolet Cad Corporation	•																•
Nixdorf Computer Software Co.	•			•	•	•	•	•	•	•			•			•	•
Nordata, Inc.							•	•					•			•	•
North American Processing	•		•														•
Northeast Data Systems Inc	•		L	•	•	•	•	•		•			•			•	•
Northeastern Computer Service Inc.	$\perp$			L		•											•
Northern Numbers, Inc.	•	•								•		•	•			•	•
Northwest Analytical Inc.	•	•	•												L		•
Northwest Computer Services, Inc.	$\perp$		L			•									L		•
Northwest Management Services, Inc.	$\perp$	L											•				•
Norwest Financial, Inc.						•											•
Novva Computer System, Inc.	$\perp$	╙	_					_	_				_			•	•
Numerax, Inc.	•	•	•	•	L	_		_						_			•
Numeridex, Inc.		•	L	_	_	-	_	ļ.,		<u>_</u>							•
OAO	_		_										_	•			•
OR/MS Dialogue, Inc.	-		-	_	-	•				•	•						•
Oasys, Inc. (Office Automation Systems)	•	1		•	•	•	•	•	•	•			•			•	•
Occidental Computer Systems, Inc.	1	-						•						-			•
Occupational Computing Company, Inc.	•	•	-							•	•	•				•	•
Occupational Health Services Inc. OCTO Ltd	•		•				•							•	•	•	•
		•								•		•				•	•
Odin Datasystems Office Automation Resources Inc	10	-								-	•						•
Office Services Inc. (OSI)				•		•		•									•
Office Services Inc. (OSI)	1.				•	•	•		•				•			ш	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
	2	ī	PR	TR	5	BA	Ž	Ξ	ED	10	RE	3	10	FE	ST	SE	Q.
Officesmiths, Inc.	•			•	•	•	•	•	•	•			•			•	•
Offutt Publishing	T														$\vdash$		
Ohio Valley Data Control, Inc.					•	•				•	•						
Oil Data Processing Co	•		•														•
Olympic Systems Inc	•									•						•	•
Omega Microware, Inc.												•					•
Omni-American								•									•
On-Line Accounting Systems Inc.	•		•		•		•	•	•	•	•	•	•		•	•	•
On-Line Business Systems Inc.			•	•	•	•	•	•	•		•	•		•	•	•	
On-Line Computer Systems, Inc.						•											
On-Line Software International		•	•			•	•						•				•
Online Computer Library Center Inc. (OCLC)																	•
Open Systems, Inc.	•	•	•	•		•		•		•			•			•	•
OPOC Computing Inc.	•		•	•									•	•	•		•
Oracle Corporation	•			•	•	•	•	•	•	•			•			•	•
ORBIS Inc.								•		•							
Oregon Software, Inc.					•	•		•	•				•			•	
Organizational Change Corp.			•	•	•	•	•	•	•	•			•			•	
Orr, Stewart P. & Associates	•															•	•
Oxford Software Corporation	•			•	•			•		•			•			•	•
P-Stat, Inc.	•			•		•		•					•				
PBM Systems Inc																•	•
PBS Computing																•	•
PCI Systems								•									•
PCS Data Processing Inc.	•	•										•				•	
PDA Incorporated	•			•		•	•	•	•	•			•			•	
PDPS Computer Services											•					•	•
PM Computer Services Co.	•	•				•		•		•			•		•		•
PSA, Inc	•	•		•			•		•	•	•					•	•
PSI Energy Software	•		•					-									•
PSI-MED Corporation								•				, " ,					
Pacesetter Systems, Inc.						•											•
Pacific Computer Systems	•			•		•	•	•	•	•			•				•
Pacific Data Systems																•	•
Pacific Sierra Research	•				•				•				•				•
Pallm, Inc.	-						•										•
Pansophic Systems, Inc.	•			•			•	•	•				•			•	•
PAR Technology Corporation	1																•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Para Data, Inc.								•		•	•	•	•		•	•	•
Para Research	•			•	•	•	•	•	•	•						•	•
Parallax Systems	•			•	•	•	•	•		•			•			•	
Parke-Randall Management Co						•											
Parker & Associates								•								•	
Pattern Systems of NJ, Inc.		•															
Patton Consultants, Inc.	•			•		•	•	•					•				•
Pay-Fone Systems, Inc.																	•
Paychex Inc.	•			•	•	•											•
Payday, The Payroll Co., Inc. The Payroll Co,Inc	•			•		•		•		•			•				
Payne, Bruce Consultants Inc.	•					•	•										•
Paynter, E. F. & Associates		Ш						Ш							Щ	•	•
Peachtree Software Inc.															Ш	•	
Pearl Data Systems						•		•							Ш		
Pearlsoft	$\vdash$														Ш	•	•
Pegasus Systems, Inc. Incorporated						_	_					_				•	
Pekin Insurance							•										•
Pentamation Enterprises Inc.				_	_			o	•								
Perception Technology Corp	•				•	•		o	•		_					▣	
Perfect Software, Inc.		$\perp$		•	•	•	•	▣	•	•	_	_	•	_			•
Performance Systems, Inc. Personal Computer Management Corp	-			•	•		•		•	•			•	•		Q	H
Personnel Data Systems, Inc.		_								•	•	•		-	-	•	H
Personnel Data Systems, Inc. Personnelmetrics, Inc.	•					•		•	•	_	$\dashv$	-		Н	-	•	H
Petroleum Data Corporation	H	-							•	•	$\dashv$	-		Н	-	ч	H
Petroleum Software, Inc.	•	-	•			-	Н		$\dashv$	_	$\dashv$	-	-	_			H
Pharmaceutical Card Systems, Inc.	Н	-	=		-		•	$\vdash$	-	-	-	-	-	-	-	$\dashv$	H
Pharmacon .	$\vdash$		-	_	-		-	•	-	•	-					-	H
Phase 3		-				•			-	-							7
Physicians Practice Management Inc	$\vdash$					Ť		•			-			-			H
Pinkerton Computer Consultants						•					-		•				-
Pioneer Software, Inc	•	•	•							•		•					-
Planmetrics Inc.	•	•	•		•			•		•		•					ŏ
Planning Research Corporation	•			•	•								•	•	•		•
Plansmith Corporation																	•
Players Computer	•	•		•	•	•		•	•	•							•
Plus Computer Technology	•					•	•	•	•	•						•	•
Point 4 Data Corp.	•	•	•	•									•	•			•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Police Data Systems															•		•
Policy Management Systems (PMS)	丄						•										•
Poorman-Douglas Corporation	•					•		•		•						•	•
Practical Business Systems Inc																	•
Precision Visuals, Inc.	•	•	•	•	•	•		•		•			•			•	•
Processing Center Inc., The	•		•														•
Processing Management Systems (PMS)	-					•		•		•						•	•
Product Group, Inc.		•										•					
Productive Computer Systems										•							
Professional Business Industries Inc	•																•
Professional Business Software								•									
Professional Computer Resources, Inc.	•			•		•	•	•		•			•			•	
Professional Computer Services	•			•	•	•	•	•	•	•	•	•	•			•	
Professional Data Corp.	$\perp$	•	•	•	•	•	•	•		•			•			•	•
Professional Data Systems	1						•	•									•
Professional Geophysics Inc.																_	•
Profimatics Inc.			•														•
Profit Control Systems	-	•		_													•
Profitool, Inc.	+-	_				_							_			_	•
Program Design Inc.	+	<u> </u>		_		_	Щ		•		_		_			_	•
Program Systems, Inc	1_	Ш		_	Ш					•	•	Ш	_			•	•
Programmed Systems Inc	<del> </del> -			•	Ш					•	_	Ш		_		•	•
Programs & Analysis, Inc.	•		_			_				•				•	•		•
Project Software & Development, Inc.	-	•	•	_	▣	_				_	_			•	•	_	•
Proprietary Computer Systems, Inc.	-		•	•		•							_	•		•	•
Proprietary Software Systems, Inc.	-	_	_	_			Ļ	_		_	_	_	•	•		•	•
Pryor Corporation	•	•	•				•			•	•	•					•
Psych Systems, Inc	-		•					•	•	•		•				•	•
Pulsar Systems Inc Q.S., Incorporated	•	•	•		•	•		•		-	•	8	•		•	•	•
Q.S., Incorporated Quadra Systems				•	H	•	•		•	•	-	-		-		•	
Quadrex Corporation	•			•	片		-		-	-	-			•			•
Quadrax Corporation  Quadstar Corporation	1			_		•				•	•		-	_			•
QuanTeckna Research Corp	•				•	•	•	•		•	-		•			•	•
Quantitative Software Management, Inc.	-			•	H	•	•			-		•	•			_	•
Ouest, Inc.	-	•		9	_		-	•		•		•	•	•		•	•
Ouic-N-Easi Products, Inc.	•			•			•	ä	•	•		-	•			•	•
				-			-	-	-	-						-	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Quotron Systems Inc.				١.		•	•										
R.A.I.R.	•															•	•
RLG Corporation													•	•			
RMC Research													•				
ROH	•			•	•											•	
ROI Consulting Inc.	•						•										
RWB Associates	•			•			•					•				•	
Racal-Redac, Inc.	•	•															
Rand Information Systems, Inc.			•				•							•			•
Rand Systems Corp	•	•	•							•	•	•					•
Rand Travel Agency Services	L															•	•
Randolph Technical Services, Inc.	•			•	•		•	•		•						•	•
Rans Micro Systems, Inc	•																•
Rath & Strong Systems Products, Inc	•		▣														•
Raven Systems and Research, Inc.	Ш												•		_		•
Real Estate Data																	
Real Estate Information Tracking Systems						•									-	•	0
Real Time Services			_					•			•	•			_	•	•
Reality Software Company								_							_	_	9
Realtron Corporation				_				_				_	_		_	•	9
REAP Inc.								_		_	•	_	_				
Redshaw Inc.	_	Ш		_			•			_	_	_	_		-	_	
Rehab Group Inc. Relational Database Systems, Inc		_	-	_							-	_	_	•	$\dashv$		
Relational Database Systems, Inc  Relational Technology, Inc.	吕	_						•	•		_	_		$\dashv$	$\rightarrow$	•	
Remote Computing Corporation	-		-	-	•	_	-	-	-	•	-	-	•	_	$\rightarrow$	•	
Rendeck Corporation	•	-	-	•	•	•	•	•	•	•	-		•	-	$\rightarrow$	-	
Republic Airlines, Inc	H		$\dashv$	-	•	-	-	•	•	-	-	$\dashv$	-	-	-	•	•
Republic Management Systems	-	-	$\dashv$	-	-	-	$\dashv$	-	$\dashv$	-	$\dashv$	$\dashv$	•	•	+	$\dashv$	
Republic Service Bureau Inc		-	-	-	-				-		-	-	-	•	-		H
Republic Technology Corp Systems Division			•			-	-	-		-	-	-		-	+		H
Response of Hawaii, Inc.			-		-	•	•	-	•	-	-				+	•	H
Reuters North America	•			•	•	•	•			•		-	•		$\rightarrow$	•	-
Reveal Software, Inc					-	•							-	$\dashv$	+	-	
Revere Technology	•		•						$\dashv$		-	+			+		ŏ
Reynolds & Reynolds Company, The								•		•	$\dashv$				1	•	•
Rhintek, Inc.	•			•	•	•	•	•	•	•			•		$\rightarrow$	•	ě
Roanco Associates								•					Ť		+		

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Ross Systems Inc.			•		•	•										•	•
Rothenberg Information Systems Inc.				•		•	•	•	•	•			•				•
Ryan-McFarland Corp.										•	•						•
S & H Computer Systems Inc				•		•	•	•	•	•			•				•
S.D.I.						•		•		•			•				•
S-Cubed	•							•					•				•
SAS Institute, Inc.	•			•	•	•		•	•				•			•	•
SBD Computer Services				•		•	•	•	•	•			•				•
SD Transport Services, Inc				•													•
SDK Medical Computer Services Corporation																	•
SEI Corporation						•											•
SEI Information Technology		•	•			•							•	•		•	•
SIS Company		•	•			•	•			•			•	•	•		•
SJV Data Service Inc.			•			•										•	•
SMC Software Systems	•			•	•	•	•		•	•				•	•		•
SRS Programming Reserve Inc.				•		•	•	•		•		-	•				•
STS, Inc.				•		•	-			•		•					•
STSC, Inc.	•			•		•	•										•
Sachs/Freeman Associates Inc.				•	•		•	•	•				•				•
Saddlebrook Corporation						•											•
SAFECO Title Insurance							•										•
Safecom Inc.	_						•										•
Safeguard Business Systems, Inc.	•							•		•						•	•
Sage Data Inc.	•					•				•	•	•					•
Sage Systems Inc.	•			•		•	•	•	•	•			•			▣	•
Satellite Computing, Inc.	•								•								•
Satellite Software International(SSI)	•			•	▣	•	•	•	•	•			•				•
Saturn Software Inc.	-					•											•
Saztec			_	•		•	•	•					•				•
Scheduling Corporation of America	•	•	•			•											•
Schulstad, Myers & Associates Inc	-				H								•	•	_	•	•
Science Applications, Inc. Science Dynamics Corporation	1							•					•		•		•
Science Dynamics Corporation Science Management Corporation				•		•								•	8	•	•
Science Management Corporation Scientific Calculations	1:			•										_			•
	-	•					•			•	•	•					-
Scientific Computers Inc. Scientific Information Retrieval, Inc.	-	-		•	•	•	H	•		H			•			•	•
Scientific Information Retrieval, Inc. Scientific Software-Intercomp (SSI)	1		•	•		_				_							-
Scientific Software-Intercomp (SSI)			-														_

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Securities Data	Т					•										•	•
Securities Industry Automation Corporation	$\top$					•											•
Sedalia Computer Services, Inc.	T		•	$\vdash$		•		•	•	•							•
Sedlak, J.P. Associates	$\top$					Г	•						$\vdash$				•
Seis Pros, Inc.	•		•														•
Seiscom Delta, Inc.	•		•														•
Seismic & Digital Concepts Inc	•		•														•
Seismic International Research Corp			•														•
Seismic Processors, Inc			•														•
Seismograph Service Corp.	•		•														•
Sentinel Computer										•							•
Sentry Data Inc						•		•									•
Sercon Corporation						•											•
SERENA Consulting				•	•	•	•		•				•			•	•
Serendipity Systems	•															•	•
Service Software Inc.																	•
Shaes & Co																	•
Shaker Computer and Management Services	•			•	•	•	•	•		•			•			•	•
Shales & Young Information Systems, Inc					•			•								•	•
Shared Medical Systems Corporation	$\perp$							•				L.					•
Sharp, I.P. Associates Ltd	$\perp$	•		•		•							•			•	•
Shaw Data Services, Inc.						•											•
Shirley Software Systems	•	•	Ш	•	•								•				•
Shriver, R., Associates	•																•
Sierra On-Line, Inc.	_				L			Ш		•							•
Sigma Software, Inc	┺			_	_			Ш									•
Signal Technology, Inc				•	•	•	•	▣	•	•			•			•	•
Simcon Inc.	•	•	•	•		•	•		•				•		•		•
SIMPLAN Systems Inc (SSI)				•	•	•		•	•	•			•			•	•
Simple Soft Inc Sistemas Inc.	-					•										•	•
Small Business Data Processing Corporation	-												•				•
Small Business Data Processing Corporation Small Business Information Systems Inc	•			•						•	•	•	•	•		•	•
Small Business Mangagement Systems Inc	-									•		•					•
Small Business Mangagement Systems Inc Small Business Systems Group	-	•						•		•	•	•					•
Smart, Inc	$\vdash$									•	•					•	-
SMITES Group	•	•								-						-	-
Smith, A.O. Data Systems Division		_				H											•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
G 21 D 1 G 1 1	-	•	F	-	F	F	-	•	F	-	_		-	-	0,	92	-
Smith, Dennis & Gaylord Smyth Business Systems	•						•		-	-		-	-	-			•
Soft Pro Systems, Inc	-	-	•	├-	-	-	-	_			•			H	-		_
Soft Pro Systems, Inc SoftCorp International, Inc	-	•	•	•							-	-		-	-	•	•
SofTech Microsystems Inc	-	-	-	-	-	•	•		•	•		-	•		$\vdash$		
SofTech, Inc.	-	$\vdash$		$\vdash$	•			-		-	_	-	-	•	-		
Softlink	-	-	-	$\vdash$	-	-	-	-	-	•				•			•
Softmatics Corporation		$\vdash$		⊢	$\vdash$	$\vdash$			$\vdash$	•		-	-	-	-	-	•
Softsel Computer Products, Inc	-	-	-	⊢	-	-	-	-	-	-			-		-		•
Software Ag of North America, Inc.		-									-		-	-	-	•	
Software Alliance	-		-	•	•	•	•	•	-	•	-	-					
Software Alternatives		•	•	$\vdash$	$\vdash$				$\vdash$	•					•	Н	•
Software-Arts Inc	-	-	-	-		-				•	-	-					•
Software Authority, The									•	•						•	•
Software Clearing House, The	-		•	•	•	•	•	•	•	•			•	$\vdash$		=	
Software Connections, Inc	+-	-	-	-	_	-	-	_	•	-			-			•	•
Software Design Associates, Inc.	-								-	-		-		-		ĕ	
Software Development and Maintenance, Inc.				•		•		•		•			•			•	
Software Info Services Inc	•	$\vdash$		-	-	•	•	•	-	•		•	•	$\vdash$	-	Ĭ	•
Software Maintenance and Development Systems, Inc.	-	$\vdash$	-			•	•	•	•	•		Ť	•	$\vdash$	$\vdash$	•	•
Software Publishing Corporation	+-	$\vdash$	$\vdash$	Ť	Ť	-	-	-	Ť	•	-		-	-	$\vdash$	Ĭ	•
Software Pursuits, Inc.		$\vdash$	$\vdash$	•	•	•		•								•	
Software Research Corp.	+-		-		0	•	•	•	Ť	Ť			-	-		Ť	•
Software Services Of America Inc.	+	Ť	$\vdash$		Ť	•	-	-	-	$\vdash$	Ť	Ť	$\vdash$	-		Н	
Software Shop Systems, Inc.	+		-	-		-					$\vdash$	$\vdash$	-	-	-	•	
Software Solutions Inc.	+	Ť	$\vdash$	$\vdash$	$\vdash$			$\vdash$	-	Ť	-	-	-	$\vdash$		Ť	
Software Systems Associates													•	•	-		•
Software Systems Inc	+-	+	-		$\vdash$			•	-	-	-	$\vdash$	Ť	Ė		•	
Software 1040	+					-	-	-									
Solid Software Inc		-	$\vdash$							-	-	-				•	
Solo Systems					•	•	•										
Sophisticated Data Research, Inc.				•	•	•		•	•							•	
Sorcim Corporation				•	•	•	•	•	•	•	•	•	•	•		•	
Sorites, Inc.				•	•	•	•	•	•	•			•			•	
SOTA Computer Systems	•			•	•	•	•	•	•	•			•			•	•
Source Data, Inc																•	
Source-2		•															•
South Hills Computer Center Inc.		•				•						•			•		

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
Southern Computer Systems, Inc.	$\perp$											_				•	
Southwest Modular Systems, Inc.	_				_		_					_			_		
Specialty Computer Services Inc.	•	_		<u> </u>	L	Ļ	_		_	•	•	•	▣	_	•	•	•
Spectron Corporation	•	L.		•	•	•	•	•	•	•		-	•	_		•	9
Spectrum International Inc.	•			•	•	•	•	•	•	•		_		_		•	•
Sperry Corporation Computer Systems	$\bot$	L.			_	_	_					_	•	•			
Spinnaker Software Corporation	+-			_	Ļ	_	_	_	•	o		_		_	-		•
Spiridellis & Associates, Inc.	•			•	•	•	•	•		•		•		_			•
Spring Rock Consultants, Inc	+			•		_											
St. Joseph Systems	$\perp$				_	•						_		<u>_</u>	_	•	H
Standard & Poor's Compustat Services Inc.	+	_		<u> </u>	_	•				_		_		_		•	H
Star Inc	+			_	-				ш	•			_			H	H
Star Software	+			<u> </u>	-		Н					Ь.		_		•	片
Star Value Software	-				_	•						<u> </u>	_			Н	H
State of the Art Inc	•				•				밁				•	Н		•	H
State Space Systems Inc. Statistical Financial Systems	-	-		_	H	_	Ц	=	H	냄	_	_	ä			-	H
Statistical Francial Systems Statistical Graphics Corp.	•			•	•	•	•	•	•		-		H			•	
Statistical Graphics Corp.  Statistical Tabulating Corporation	+			H	-	-	H	H		H	-	-	H	$\vdash$	Н	=	H
Statistical Labulating Corporation  Stephens-Nelson Computer Center	-		-	•		-	ö	H		H			H	$\vdash$		-	H
Sterling Software Marketing	-		_	-	H	•	ö	H		H	-	Н	_	$\vdash$		-	H
Sterling Systems	-	-	•	-	-	•	-	_		Н			•	•	•	-	H
Stockholder Systems Inc.	-	-	_	•	•			-	Н	-	-	-	_	_	=	Н	H
Strata Search Processing Co., Inc	-		•	_	ŭ	-	-	-	-	-	-	Н				Н	H
Strategic Information	+		_			•	-	-	-	•			•		-	Н	ä
Structural Members Users Group	-			$\vdash$	$\vdash$	Ŭ	-	-	•		Н		•	•	-	-	H
Structured Methods, Inc.	•	•	_	•	•	•	•	•	•	7	•	•	•	•	•	•	•
Structured Systems Group, Inc.		6	•	Ť	Ť	•	•	_	Ť	•	•	•	_	Ť	_		
Summagraphics Corporation	•	ŕ				-				ŕ	Ĺ	ŕ				•	•
Sun Country Financial Corporation						•											6
Superset Inc.		•	•	•	•	•	•	•	•			•					•
Survey Tabulation Services Inc.				•	•	•	•	•	•	•			•			•	•
Sycom								•									•
Sydney Development Corporation	•					•		•					•				•
Syncsort Inc.	•			•	•	•	•	•		•			•				•
Synercom Technology, Inc.			•		•									•	•	•	•
Syntel																	
Syscom, Inc.			•	•				•		•						■	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
SYSCON Corporation	•													•	•		•
Systech Inc.	•	•				•		•		•						•	•
System Automation Corporation	•		-				•	•	•					•	•		•
System Communication Corp	•									•							•
System Development Corporation					•		•						•	•	•		•
System Support Software, Inc.	•			•	•	•	•	•	•	•			•			•	•
Systematics, Inc.						•											•
Systemation, Inc.		•		•		•	•	•	•	•						•	•
Systemhouse Ltd.	•			•	•	•	•		•				•			•	•
Systemhouse, Inc.	•		_										•				•
Systems & Computer Technology Corporation									•						•		•
Systems and Applied Sciences Corporation				•									•	•	•		•
Systems and Information Dynamics Inc.	•			•		•	•									•	•
Systems and Programming Resources Inc.	•			•		•		•			•				•		•
Systems and Software Inc.														L			•
Systems Architects Inc.	•				•	•			•								•
Systems Associates Inc. (SAI)								•									•
Systems Center, Inc., The	•			•	•	•	•	•	•	•			•			•	•
Systems Control, Inc.	L		•		•	_								•	•		•
Systems Coordination Inc					•	_											•
Systems Data Inc.			•	•	•	•	•	•	•	•			•			•	•
Systems Data Processing Corporation								•			•				•	•	•
Systems Design & Development Corporation		_				•	•				•			_	_		•
Systems Designs	•	_		_		_				•					_	•	•
Systems Engineering Computer Co.	•	_	•	_	•	•	•									•	•
Systems Management Inc.	•	_		•			•	•			•	•			•		•
Systems Network Inc	-			_									_			•	•
Systems Plus Inc	•			•	•	•	•		•	•	•	•	•		-	•	•
Systems Research Laboratories						_	_						•	•			•
Systems Specialists, The Systems Specialists, The	•									-					-		•
Systems Specialists, The Systems Technology Automated Resources Inc	•	•	•														•
Systems Technology Automated Resources Inc Systems, Inc.	-	_							_				•				-
System Commercial Corp	-									•						•	•
Sytech Corporation	•		•														•
T & B Computing Inc.	1		•						-	-			-	-	-		•
TCS Software Inc	-	-	-			•	-	-	-	-						•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
TKS Corporation							•										•
TLS Company							•									•	•
TMI Systems Corporation						•											•
TOM (The Office Manager, Inc.)				- 1						•	•					•	•
TRW Information Services	•			•	•	•	•	•		•							•
Tabershaw Occupational Medicine Association	•			•	•	•	•	•	•	•			•			•	•
Tag Inc.			•														•
Tailored Data, Inc								•		•							•
Talisman Security Systems, Inc				•													•
TechDyn Systems Corp													•	•			•
Technalysis Corporation	•			•		•	•		•		•		•			•	•
Technical Analysis Corporation (TAC)	•	_		•	•	•	•	•	•	•		_	•	_		•	•
Technical Support Associates Inc.					_	L		L	_	•		•				L	•
Technical Systems Consultants Inc. (TSC)	•		_	•	•	•	•	•	•	•			•			•	•
Technicon Data Systems Corporation	4	<u> </u>	_	_	_			•	L	<u> </u>			Ļ	_	_	_	•
Technology Development of California	+-	_		<u> </u>	_	_	_	Ļ	_	_			•			_	•
Tekkon Computer Services	•			•	•	•	•	•	•	•			•	_		•	•
Teknekron Financial Systems	1	┡	_	_	_	•	•	L	_	_			_	<u> </u>		Ļ	•
Teldata Systems Corporation	•	⊢			•	_	•	•	-		-		-	_		•	•
Telecredit, Inc.	-	-		_	_	•	_			•						•	•
Teledyne Exploration Company Telerate, Inc.			•				•	-		•		_	_	-	_		•
Telesis Corp	-	•	_	-		•	•	-	•	•			_			•	-
Telesis Corp .	+	•	-						-	•	•	•	-	-	Н	-	•
Telos Corporation	•	•	•	H	$\vdash$	•	•		•	-	Н	•	-	•	Н	-	•
Temple, Barker & Sloane, Inc (TBS)	-	-	-				-		H	•	Н	_	•				•
TERA Corporation	-	•	•	-	•	-	-	⊢	_	-	Н	_	-	•	Н	-	•
Terrano & Associates, Inc	+	-	-	-	-			•						-			•
Tesseract Corporation	-		•	Н	•	•	•	-			Н		-	-	-		÷
Texas Instruments Inc.	Ť		•														
Theta Business Systems		-	-							•						•	•
Thomas National Group, The	•					•				Ť	•					•	•
Thomas, Laguban & Associates	•	•	•				_		_	•	ā	•	_				•
Three PM Inc. (3 PM)								•			d						•
Ticketron, Inc.									•						•		•
Timberline Systems																•	•
Time Sharing Resources Inc.		-		•	•	•	•			•	•		•				•
Time Sharing Resources file.																	

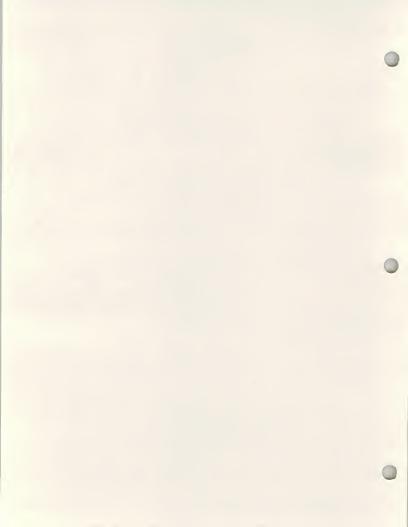
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Timeshare Associates	•		•														•
Tiny Systems Inc.	•			•	•	•		•	•	•							•
Tominy, Inc.	•			•			•	•		•							•
Tone Software Corporation	•			•	•	•		•	•	•			•			•	•
Total Environmental Systems Computer Division	•			•	•					•			•			•	•
Touchette Corporation		•			•						•	•			•	•	•
Tower Systems, Inc.	•			•	•	•	•	•	•	•			•			•	•
Trac Line Computer Corp	•	•	•							•	•	•				•	•
Traffic Data Systems, Inc. (TDS, Inc.)		•	•								•	•					•
Trail Blazer Systems Inc.				•													•
Trans Micro Systems Inc.	•			•						•						•	•
Trans Union Corporation				•		•											•
Transcomm Data Systems, Inc.						•						•					•
Transportation Concepts and Services				•							_						•
Transportation Data Management	•	•	•	•						•	•	•				_	•
Transportation Management Services				•										_			•
TRES Computer Systems, Inc.	•	•			•	•						_					•
Tri-Star Data Systems			_		_				_	_	_	•	_		_		•
Triad Systems Corporation	_	_	_	_	L			_	L	•	•	•	L	_	_	Ļ	•
Triangle Software Company	•		_	•	•	•	•	•	•	•	_	L	•		_	•	•
Tricad	_	_		L	_	_	_	_	Ļ	_	_	_	<u>_</u>	_		•	•
TronCorp	•	L		•	•	•	•	•	•	•	_	_	•	<u> </u>	_	•	•
Tru-Check Computer Systems		L		_	_	_		_		•	•	Ļ	_		<u>_</u>	-	_
Tudor Systems	╙	_	_	ļ.,	_	-	<u> </u>	_	_	_	_	•		├-	-	-	
Turnkey Distribution Systems, Inc	┡	-	_	_	L	-	-	-	-	•	-	-	_	•	-	•	•
Turnkey Information Processing Inc	⊢	├-		_	┡	-	-	$\vdash$	-	-	-	-	•	-	-	•	-
Tylus Systems Inc.	_	-							•	•			•		-		•
Tymlabs Corporation	•	-		•	•	•	•	•	-	•		-	•			•	-
Tymshare, Inc.	•	•	•	•	•	•	•	•	•	•	-	-	•	-	-	•	-
U.S. Software	•		-	•	-	•	-	•	•	-	-		•		-	•	
Ulrich, Walter E. Consulting	-		-	-	-		-	-	-	-		-	-	-		-	
Ultradata Corporation		-			-	-	-	-	•		-		-	•	•	$\vdash$	•
UNI-COLL Corporation	•		-	-	•		•	•	•	•		-	•	-	۳		•
Unicale Corporation	-	-	-	-	•		-	-	-	-	-		-		-	۲	-
United Computer Service, Inc. United Education & Software Data Systems Group	-	-		-	-	+	-		•	-		-		-		-	
United Education & Software Data Systems Group		1	-	-	+-	-	-		-	-	-	-	-	-	-	-	
United Information Services Inc										1				1			

## **CAMP INDUSTRY INDEX**

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Univair Inc.							•	•								•	•
Universal Information Systems Inc.				•	•	•	•	•		•			•			•	•
Universal Software Studios				•					•	•	•	•					•
University Computing Company	•	•			•	•				•			•			•	•
Urban Data Processing					•	•					•						•
Urban Decision Systems Inc.	•			•	•	•	•	•	•	•			•			•	•
Users, Inc.										•							•
Uveon Computer Systems, Inc.	•				•	•	•	•		•			•			•	•
VLSI Technology, Inc.		•															•
VM Software, Inc				•	•		•	•	•	•			•			•	•
VSE Corporation														•			•
Valid Logic Systems Inc.	•																•
Value Computing, Inc.								•	•			Ì	•			•	•
Vantage Computer Systems, Inc.																	
VenturCom Inc.	•							•	•							•	
Vertex Systems Inc.	•			•		•		•	•	•			•			•	
Vetrol Data Systems Inc.	•			•	•	•	•		•	•			•			•	•
Vidmar, Stanley	•	•												•			•
Vining-Sparks Securities, Inc						•											
VisiCorp	•			•			•	•	•	•			•			•	
Vista Concepts, Inc.						•	_									•	
Vital Computer Services International, Inc.	•					•	_	_	_								
Volt Delta Resources Inc.			_	•			_	_	_		_			$\Box$			
Walker Interactive Products	•			•	•	•	•		•	•	_					•	
Waters Business Systems, Inc.	•		_	•	•	•	•	•	•	•	4	_	•			•	
Watts Computer Services Inc Weidenhammer Systems Corp.			_	_	_	_	_	_	_	•	•	_	_	_		•	
Weidner Communications	•	•	•	_	$\dashv$	•	$\dashv$		•	•	•	•	•	_	•	•	•
Wells Fargo & Company	•	•	-	-	_			4	_		_	-	_	_		•	•
West Florida Data Processing	-			-	•		•	-	-	•	-		4		_	•	•
Western Business Computers Inc	-	-		$\dashv$	•	-	-	-	-		-		-	-	-	•	•
Western Data Corporation		-	-	•	•	•	•	•	•		-	•	-	-	-		의
Western Geophysical Company of America		•	-	-	-	-	-	-	-	-	-	+	-	-	-	•	
Western Union Corporation	•	-	-	•	•	•	•	•	•		-	-	•	-	-	•	-
Westinghouse Advanced Systems Technology		+	-	_	•	-	-	-	-	-	+	-	•	-	+	-	
Westinghouse Information Services		•	-	+	-	+	-	•	•	-	+	+	-	•	•	+	
Westinghouse Strategic Operations Division			+	+	•	+	-	-	-	+	+	+	-	-	-	+	-
Whelan Associates, Inc			+	+		+	+	•	+	-	+	+	-	-	+	+	

## CAMP INDUSTRY INDEX

White, Bob, Computing and Software Inc.	0						INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	-	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
	•	$\vdash$				•											•
White, Robert F. and Company	•		-	•	•	•				•							•
Whiteside Associates, Inc.		-				•											•
Whitesmiths, Ltd.				•	•	•	•	•	•	•			•			•	•
Wild Hare Computer Systems Inc							•	•									•
Williams & Associates	•	•	•		L					•	•	▣					•
Williams Automated Management Services, Inc																	•
Wilson Micro Systems							_										•
Wismer Associates, Inc.		•	•	•	•										•		
Woodward, Ryan, Sharp and Davis	•			•	•	•	•	•					•				•
Worlco Data Systems		•					•										•
World Wide Computer Services														•			•
Worldwide Chain Store Systems										•	•	•					•
Worth, Auger & Associates	•			•	•	•	•	•									•
Wright, Louis A. & Associates												•					•
Wyly Corporation		•	•		•	•											
XXCAL						•	•										
Xenex Computer Systems, Inc.						•											•
Xerox Computer Services		•										•			•		•
Xybion Corporation														•			•
Xybion Medical Systems Corporation								•									•
Yipkon Business Systems, Inc.		Г				•	•		•				•				•
Zeiler-Pennock																	•
Zentec Corporation, Inc.		•	•			•	•	•	•				•			•	•
Zeus Data Systems	•	•	•														•
202 Data Systems, Inc.	•				•											•	•
3M Datatrak Systems, Inc.																	•
									L								L
								_									-
			_		_		-		_						_		L
		_				_		_					_				L
					_		_										-
				_									-				L
							1										



GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
A Supplementary DP Service, Inc.	•		*											Γ
A.M.S. Consulting Limited		_		•					•		•	•	•	T
AAA Technology and Specialties Company								*			•			t
Abt Associates, Inc.	•	*									•			T
Abt Information Services	•	*	$\vdash$											t
AFI-Datatrol Division		*		_							•		•	t
AGS Computers Inc.		_	*											t
AIS Corporation - Medical Management Systems			*											t
APL Systems									*		•	•	•	t
AR Mediquest		•	•	*		•	•	•	•	•	•	•		t
ARC Automation Group Inc.	•	•		•		•	•	*	•		•	•	•	t
ARC Automation Services Inc.	•	•		•	•	•	•	*	•	•				t
ASA, Inc.		*	Ė	-	-	-	-		-					t
ATAC	•	-	-	-		•								t
ATE Associates Inc		•		•			•	•	•	•				t
ATM/Network Management Corp		Ė	-	*	Ė	Ė	-							t
AV Products, Inc.		*			-	_							_	t
AVP Systems	1	-	-						-	$\vdash$				t
Aardvark Software	1	•		*	•	•			•	•	Н			t
ABACUS Associates		-	Ť	-	Ē	Ė	-	*	-	Ė	•	•	•	t
Academic Financial Services Association		$\vdash$		-	-	-	-	-			Ė	-		t
Access International, Inc.	1	*			_	_				Ė	•			t
Accountant's Microsystems, Inc.	-	<u> </u>		$\vdash$		-	-	$\vdash$			•	•		t
Accountants Processing Center		-	+-		*	-	-	-	-	Ť	Ť	-		t
Accounting Corporation of America	-	$\vdash$	$\vdash$	-	Ê	$\vdash$		$\vdash$	$\vdash$		•		_	t
AccTex Information Systems	1	Н	$\vdash$	-						•	Ė			t
Accurate Data Services Inc.	-		1	*				-	-	Ť				t
Accutab Data Processing Inc.	1	$\vdash$	$\vdash$	*	-	_	_	$\vdash$	_	•	$\vdash$		-	t
Ace Software Inc.	-			•		•				-				t
ACES Software	-		-	-	-	-	-	*						+
Acorn Software Products Inc.	-	•	•			*	•	•	•				•	t
Action Data Services	1.	•		•	*	•		•	•	•	Ť	-		t
Actuarial Computer Technology Inc.	•	•	•	•	•	*	•	•	•		•			t
Adelie Corporation	1	•	1	1	1	1	Ť	1	-	Ť	-	-		t
Admins, Inc.	•	*	•	-	1			-	-		•		•	t
ADPAC Corporation	-	ê	•	•	•	•	•	•	•	•	•	•		t
Advance Data	•	۰	-	-	-	-	-	*	Ť	-	۴	۴	-	t

-1-

<sup>★ =</sup> Headquarters

## CAMP GEOGRAPHIC INDEX

GEOGRAPHIC MARKETS					٦			,						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Advanced Applications Inc.	•	$\vdash$					_			•		_		
Advanced Computer Management Corp.							Т	$\overline{}$						
Advanced Computer Techniques Corporation (ACT)			*								•	•	•	
Advanced Control Technology	•										•	•		
Advanced Data Group						T	$\vdash$	Т		•				
Advanced Data Management	•		*								•	•	•	
Advanced Data Systems Inc.			T	$\vdash$							$\vdash$			
Advanced Data Systems, Inc.		_												Г
Advanced Legal Software		$\vdash$	$\vdash$	$\vdash$	_	$\vdash$		T						Г
Advanced Management Technologies		$\vdash$	+-	_	$\vdash$			*	$\vdash$					
Advanced Medical Systems			*					•						$\vdash$
Advanced Software Products		<u> </u>			1	*								Т
Advanced Systems Applications				*	$\vdash$			$\vdash$	1					Т
Advanced Systems, Inc.				*									•	
Advanced Systems, Inc. Advanced Technology Systems Inc. (Adtec)						*				•				
Advcom		1	*			$\vdash$	_							
Adwest Corporation				*	_	_	$\vdash$		$\vdash$	•				
Affiliated Computer Systems		-	Ť	1	_	$\vdash$	1	*	$\vdash$	$\vdash$				
Affiliated Concepts, Inc.		$\vdash$		+	$\vdash$	+	-	+	$\vdash$	•	$\vdash$			
Ag-Data Inc.	-	H	+-	$\vdash$	-	$\vdash$	+	+-	$\vdash$		_			$\vdash$
Agro Systems Corporation	-	$\vdash$	+		$\vdash$	+		*		Ť	$\vdash$		$\vdash$	$\vdash$
AKRA Data Corporation		+-	+-	Ť	$\vdash$		*	1	Ť		$\vdash$			$\vdash$
Alexander & Alexander, Inc.	•	+	*	+	$\vdash$	+-	1	+-	$\vdash$	$\vdash$	$\vdash$			$\vdash$
Allied Data	•	$\vdash$	Ĥ	+-	+	+	+-	+	+		$\vdash$	+	$\vdash$	$\vdash$
Allied Information Systems Company	-	*	$\vdash$	+	$\vdash$	+	+	+		+-		$\vdash$		$\vdash$
Alpha Beta Data Services, Inc.	-	ŀ		+	$\vdash$	+	+	+	$\vdash$		Н	$\vdash$	$\vdash$	$\vdash$
Alpha Data Services, Inc.	-	$\vdash$	۲	+-	+-	+-	-	+	+	*	$\vdash$	$\vdash$	-	╁
Alpha Software	-	*		+	-	1		+		•				1
Alpha Systems, Inc.	-	*	+	+			1			1	Ť	1	Ť	-
Amcom Data Processing, Inc.		+^	-	+	-	1		+			-			1
American Educational Computer Inc.		+	-				+	+				$\vdash$		+
American Franklin Company Corporation	•	1		*	-					1				
American Information	•		+	*		Ť	-							T
American Information Systems	•	1	*	+		+	-	1		1			$\vdash$	
American Integrity System Inc.	-	-	1	-		-		-			$\vdash$		1	1
American Keypunch & Systems	-	*	+			-	-	+		Ť	$\vdash$			$\vdash$
American Management Systems	-	Î				*							-	+

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	Garago
American Software Corporation	•									•	•	•	•	1
American Software, Inc.	•	•	•		•		•			•	•	•	•	1
AmeriTrust Company	•	$\vdash$				$\vdash$				Т	Г			r
Amherst Associates	•			*										T
Ampersand Corporation	•													
Anacomp, Inc.	•	•	•	*	•	•	•	•	•	•	•			Γ
Analysis & Computer Systems In		*	•			•		Г						Γ
Analysis and Programming Corporation	•	*												Γ
Analysis and Technology, Inc	•	*												Γ
Analysts International Corporation					*									T
Analytics Inc.			*	Т		Т								T
Anstat Business Services			*						$\Box$		Г			T
Antech		Г				*	Г				П			Γ
Apex Data Processing Inc.	•	Г								*				Γ
Apex Data Systems	•								*		•	•		Γ
Apparel Management Systems	•	•	•	•	•	•	•	•	•	*	•	•		ŀ
Apple Computer	•	Π								•	•			I
Application Development System Inc.	•	Γ				Γ.				•				I
Applications Software Inc.										•	•			I
Applicon Inc.											•			I
Applied Business Systems, Inc.	•	Г					*							Ι
Applied Business Systems, Inc.		Г	Г	*			Г							Ι
Applied Business Technologies Inc.	•	П	*							Γ				I
Applied Communications Inc.		Г			*						•		•	Γ
Applied Computing Devices		Г				П		Г		Π	•	*		Γ
Applied Computing Technologies Inc.	•	Г		•	П	Г	*			Г	Γ	Π		Γ
Applied Data Research, Inc.		•	*							•	•		•	Ι
Applied Data Systems, Inc.	•								*		•			I
Applied Financial Systems					L	•		•	•	•				I
Applied Information Development (AID), Inc.	•			*										ſ
Applied Information Systems, Inc. (AIS)						*								I
Applied Management Sciences	•					*				•				ſ
Applied Management Systems Inc.	•					•								1
Applied Research Inc.	•								•	•				1
Arbitron	•	•		•	•	•	•	•	•	•	L			1
						*			1	1	1	1	1	1
Area Computer Services, Inc. Aregon Group Ltd		_	_	_	_	1^	_	-		-	_	_	-	1

<sup>★ =</sup> Headquarters

Aregon Group, Inc.  Argonat Information Systems Inc.  Argonat Information Systems Inc.  Argonat Information Systems Inc.  Argonat Information Systems Inc.  Argonation Software  Arthur Andersen & Co.  Arthur Andersen & Co.  Arthur Young & Co.  Arthur Holliegence Corporation  Artificial Intelligence Corporation  Artsci, Inc.  Associated Computer Management Specialists, Inc (ACMSI)  Associated Credit Services  Associated Credit Services  Associated Credit Services  Associated Press  Astradyne Computer Industries, Inc.  Automated Systems Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Automated Medical Billing Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporatio	GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	отнек
Argo Data Resources Group Argonaut Information Systems Inc. Argos Argos Arlington Software Arthur Andersen & Co. Arthur Young & Co. Articulate Publications Arthur Joung & Co. Articulate Publications Artificial Intelligence Corporation Artisci, Inc. Asiton—Asiton—Tate Associated Computer Management Specialists, Inc (ACMSI) Associated Credit Services Associated Credit Services Associated Credit Services Associated Credit Services Astradyne Computer Industries, Inc. Automated Press Auto-trol Technology Corporation Automated Concepts, Inc. Automated Concepts, Inc. Automated Concepts, Inc. Automated Concepts, Inc. Automated Concepts, Inc. Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Avant—Computer Enterprises Avant—Computer Enterprises Avant—Computer Services Inc. Avantancian Information Systems, Inc. Avantancian Information Systems, Inc. Avantancian Information Systems, Inc. Ayan Associates Inc. (AAI) Aya Associates Inc. (AAI) Aya Associates Inc. (AAI) Aya Associates Inc. (AAI) Aya Associates Inc. (AAI)	Aregon Group, Inc.	•													
Argonaut Information Systems Inc.         Image: Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the										*					
Artington Software Arthur Andersen & Co. Arthur Young & Co. Articulate Publications Arthur Young & Co. Articulate Publications Artificial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Articial Intelligence Corporation Associated Computer Management Specialists, Inc (ACMSI) Associated Computer Management Specialists, Inc (ACMSI) Associated Computer Management Specialists, Inc (ACMSI) Associated Credit Services Associated Computer Industries, Inc. Auragen Systems Oropration Auto-trol Technology Corporation Auto-trol Technology Corporation Auto-trol Technology Corporation Automated Concepts, Inc. Automated Medical Billing Inc. Automated Medical Billing Inc. Automated Medical Billing Inc. Automated Systems Design Corporation Automated Systems Design Corporation Automated Systems Design Corporation Automated Systems Design Corporation Automated Data Processing Inc. Automated Data Processing Inc. Automated Data Processing Inc. Automated Systems Consultants Automatic Data Processing Inc. Avanton Computer Enterprises AVANT-GARDE Computing, Inc. Avanton Computer Services Avanton Computer Services Avaiton Information Services Inc. Axiston Group Axxess Information Systems, Inc. Axya Associates Inc. (AAI) Ayers-Whitmore			•	•	•	•			•	•	•	•	•		•
Arthury Andersen & Co.  Arthur Young & Co.  Arthur Young & Co.  Articulate Publications  Arthur Young & Co.  Articulate Publications  Artificial Intelligence Corporation  Artisci, Inc.  Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Asion— Associated Computer Management Specialists, Inc (ACMSI)  Associated Credit Services  Associated Credit Services  Associated Credit Services  Associated Credit Services  Associated Credit Services  Astradyne Computer Industries, Inc.  Automated Press  Auto-10T Technology Corporation  Auto-10T Technology Corporation  Auto-10T Technology Corporation  Automated Concepts, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Co	Argos														
Arthur Young & Co.  Articulate Publications  Articidal Intelligence Corporation  Artsci, Inc.  Ashton-Tate  Ashton-Tate  Associated Computer Management Specialists, Inc (ACMSI)  Associated Computer Management Specialists, Inc (ACMSI)  Associated Computer Management Specialists, Inc (ACMSI)  Associated Computer Management Specialists, Inc (ACMSI)  Associated Press  Associated Press  Associated Press  Associated Press  Auto-trolf Technology Corporation  Autragen Systems Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporati		•	*												
Articulate Publications Artificial Intelligence Corporation Artificial Intelligence Corporation Artificial Intelligence Corporation Artificial Intelligence Corporation Artificial Intelligence Corporation Associated Computer Management Specialists, Inc (ACMSI) Associated Computer Management Specialists, Inc (ACMSI) Associated Computer Management Specialists, Inc (ACMSI) Associated Credit Services Associated Credit Services Associated Credit Services Astradyne Computer Industries, Inc. Auragen Systems Corporation Auragen Systems Corporation Automatical Systems Corporation Automatical Concepts, Inc. Automated Medical Billing Inc. Automated Medical Billing Inc. Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants Automated Systems Consultants			•	-	*	•	•	•	•	•	•	•			
Artificial Intelligence Corporation	Arthur Young & Co.									L		L			
Artsci, Inc.  Ashton-Tate  Asist  Asist  Asist  Asist  Associated Computer Management Specialists, Inc (ACMSI)  Associated Computer Management Specialists, Inc (ACMSI)  Associated Press  Associated Press  Associated Press  Associated Press  Astradyne Computer Industries, Inc.  Autragen Systems Corporation  Autex Systems  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Co	Articulate Publications	•	•	•	•	•	•	•	•	•	•		_		
Askton-Tate  Asita  Asita  Asita  Asita  Asita  Asita  Asita  Associated Computer Management Specialists, Inc (ACMSI)  Associated Credit Services  Associated Press  Associated Press  Associated Press  Associated Press  Autorator Technology Corporation  Auto-Torl Technology Corporation  Auto-Torl Technology Corporation  Auto-Torl Technology Corporation  Auto-Torl Technology Corporation  Auto-Mudedki, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Consultants  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Aveo Computer Enterprises  AVANT-GARDE Computing, Inc.  Aveo Computer Services  Aviation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Systems, Inc.  Ayeas-Whitmore  Axiation Information Systems, Inc.  Ayeas-Whitmore	Artificial Intelligence Corporation	•	*									L			
Asist	Artsci, Inc.	•									•	•	•	•	
ASK Computer Systems, Inc.  Associated Computer Management Specialists, Inc (ACMS1)  Associated Credit Services  Associated Press  Associated Press  Astradyne Computer Industries, Inc.  Auragen Systems Corporation  Autoration Systems  Auto-trol Technology Corporation  Autotacks, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultan	Ashton-Tate	•									•	•		•	•
Associated Computer Management Specialists, Inc (ACMSI)  Associated Credit Services  Associated Credit Services  Associated Press  Astradyne Computer Industries, Inc.  Auragen Systems Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Automated Geica Billing Inc.  Automated Geica Billing Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Design Corporation  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data	Asist	•			*							•			
Associated Credit Services									_		•	-	•	-	
Associated Press  Astradyne Computer Industries, Inc.  Autragen Systems Corporation  Autex Systems  Auto-trol Technology Corporation  Autodesk, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automate		_	L			_	_		L			•	_	•	
Astradyne Computer Industries, Inc.  Auragen Systems Corporation  Auto-trol Technology Corporation  Autodesk, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Systems Corporation  Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing Inc.   Automated Medical Billing I			_		•	•		_	*		L		L		
Auragen Systems Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Corporation  Auto-trol Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Technology Te				-		L.	L	-	<u> </u>	_	_	•	<u> </u>	_	
Autex Systems			•	*	•	_	•	╙	•	_	•	┡	_		
Auto-trol Technology Corporation  Autodesk, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Consultants  Automated Systems Consultants  Automatic Data Processing Inc.  Autom Software  Autom Computer Enterprises  AVANT-GARDE Computing, Inc.  Aveo Computer Services  Aviation Information Services Inc.  Axisos Group  Axxess Information Systems, Inc.  Aya Associates Inc. (AAI)  Ayers-Whitmore		+-	_	_		_	_	-	╙	-	-	-	-		•
Autodesk, Inc.  Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Medical Billing Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Consultants  Automated Systems Onsultants  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Avalation Information Services Inc.  Axistion Information Services Inc.  Axistion Information Services Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistion Information Systems, Inc.  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)  Axistic Inc. (AAI)			*		•	_	<u> </u>	╄	1	-	•		-		
Automated Concepts, Inc.  Automated Medical Billing Inc.  Automated Science Group, Inc.  Automated Systems Design Corporation  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Automated Data Processing Inc.  Avo Computer Enterprises  AvaNAT-GARDE Computing, Inc.  Avo Computer Services  Aviation Information Services Inc.  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Group  Axios Inc. (AAI)			_	_	-	_	ļ.,	_	-	*	-	-	•	•	•
Automated Medical Billing Inc.  Automated Science Group, Inc.  Automated Systems Design Corporation  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consultants  Automated Systems Consu		<del></del>	<u> </u>	┡	-		_	_	-	-	•		-		
Automated Science Group, Inc.  Automated Systems Design Corporation  Automated Systems Design Corporation  Automated Systems Consultants  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Automatic Data Processing Inc.  Avaitation Information Services Inc.  Axiation Information Services Inc.  Axiation Information Systems, Inc.  Axes Group  Axess Information Systems, Inc.  Aya Associates Inc. (AAI)  Ayers-Whitmore		<u> </u>	<u> </u>		_	_	<u> </u>	1	_		_	ļ.,	┡		
Automated Systems Design Corporation		_		*		•	-		•		•	L	_		
Automated Systems Consultants		•	_	-	-	-	*	-	-	┼	-		_	-	H
Automatic Data Processing Inc.  Autom Software  Autom Computer Enterprises  AVANT-GARDE Computing, Inc.  Aveo Computer Services  Aviation Information Services Inc.  Axistic forup  Axxess Information Systems, Inc.  Aya Associates Inc. (AAI)  Ayers-Whitmore		+	_	*	-	-	-	-	_	╄-	⊢	├-	<u> </u>	-	_
Autumn Software			Ļ	<b>!</b>	-	-	-	+-	-	-	-	Ļ	Ļ	_	-
Auxton Computer Enterprises				*			-			-	-		-		•
AVANT-GARDE Computing, Inc.  Aveo Computer Services  Aviation Information Services Inc.  Axisos Group  Axxess Information Systems, Inc.  Aya Associates Inc. (AAI)  Ayers-Whitmore		_	-		-	-	*	-	-	-	-		-	-	-
Aveo Computer Services       • • • • • • • • • • • • • • • • • • •			-	-		-		-	-	+	-	-	-	-	
Aviation Information Services Inc.		_	-	-	-		-	-	-	-	-			_	
Axios Group					•	-	-	-		-	-	-			
Axxes Information Systems, Inc.			$\vdash$	-			-	-		×	-				-
Aya Associates Inc. (AAI)       • • * • • • • • • • • • • • • • • • • •		_	-	-		-	-	+	-	-	-	-	-	-	
Ayers-Whitmore • *					-	-		+	-	+	$\vdash$	-			
		<u> </u>	1				-	-	-	-	-				
	Azrex Inc	-	*	-								-	•	•	

<sup>★ =</sup> Headquarters

GEOGRAPI MARKET	IIC S				,									
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
B.K. Dynamics		$^{+}$	$\vdash$		$\vdash$	*	$\overline{}$				•			_
BA Managistics		+	*								Ť			_
BBN Computer Corporation		+-	1	-		-	-		-					_
BDM International, Inc.		-			_	*		_						_
BGS Systems		*			•	•	•			•	•	•	•	•
BMC Software Inc.			•	•	•	•	•	*	•	•	•	•	•	Ť
BMS Computer Inc.		+-	1	Ť	-	Ť	-		Ė	Ť	•	•	•	
BOS National (MPSI)		-			•	•	•	*	•	•	-	Ť	Ť	Ť
BPI Systems, Inc.		<u> </u>	Ť	Ť	_	Ť	Ť	*	Ť	-				_
BRS Computing Inc.		1	*	-				-			•	•		
Bakco Data Inc.				*	•	•		•	•	•	•	•		
Bancroft Computer Systems		-	Ť	-	_	Ť	-	-	Ť	_	•	Ť		_
Bank of New Orleans and Trust Company		+	$\vdash$	_				*						
Baron Data Systems		1	-	-	_		-	-		•			-	
Barrister Information Systems Corp		+	*		-		_				•			
Beck, Thomas Inc.		1	$\vdash$				$\vdash$	_		•				
Beneficial Computer Services Inc		1								*				
Benetics Corporation										•				
Black, David R & Associates, Inc		1	Ė								•	•	•	
Boeing Computer Services Company		1						$\vdash$		•	•			
Bolt Beranek and Newman, Inc.		*		-	_					Ť	Ė	Т		
Bonner & Moore Computer Service		+			_			*			Н	Н		
Boole & Babbage, Inc.		+	1	1						•	•	Н	•	•
Booz Allen & Hamilton Inc.			*	-	$\vdash$					-				
Boston Financial Data Services		*												П
Boston Systems Office (The), Inc.		*		•	•	•	•	•	•	•	•	•	•	•
Bowne Information Systems, Inc.			•	•	•		•	•		•	$\vdash$			Г
Bradford National Corporation		1	*	1	Ė	Ė	Ė	Ė	1	-		$\vdash$		
Bradmark Computer Systems, Inc			*								•	•	•	•
Brault, Strauchman Associates				$\vdash$										Г
Breuer and Co.		*									•		•	
Bricmont & Associates, Inc.		-	*	•	•	•		•	•	•				Г
Broderbund Software Inc.		_				•		•	•	•				
Brokerage Software Systems, Inc.			*											Г
Brokerage Transaction Services Inc.		_	*	•	•	1	•	•	•	•				Г
Brown, Johnston & Associates Inc.		1								•	•			
Brown, Sanders & Associates, Inc.						*		1			-			

<sup>★ =</sup> Headquarters

-5-

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Budget Computer Systems		H	_							•	•			
Budget Timeshare Inc		$\vdash$	-		-	$\vdash$								
Burlington Data Processing Inc.		*												
Burroughs Corporation		-	-	*	-						•			
Bush, Lloyd and Associates		1	*	-				$\vdash$	$\overline{}$			$\overline{}$		
Business and Professional Software, Inc.	-	*	-	$\vdash$					г			•		
Business Application Systems, Inc. (BAS)		-	1	$\vdash$		*		_				•	•	
Business Automation Inc.		1	1		-				_			-		
Business Computer Center			$\vdash$		-	*		-	_	-				
Business Computer Design		$\vdash$	1			-			-	$\vdash$		-		
Business Computer Solutions Inc.		$\vdash$	-	-	-	*				1		_	_	
Business Information Systems Inc.		1	$\vdash$	*	_	-								
Business Service Corporation		$\vdash$	$\vdash$		1	$\vdash$			*					
Business Services Global Systems Services 5010						$\vdash$				*				
Bytel Corporation	•			•	•			•	•					
C.A.C.I., Inc.			Т			*								
CAE Systems, Inc.					Т	T			•	•				
CCH Computax Inc.		$\vdash$	T		Т	T	Т			•	•	•		
CCS	•	$\vdash$	$\vdash$			Т		*		Т				
CDS Systems, Inc.		Т	$\vdash$							•				Г
CFS Inc.		*			Т								•	•
CGA Computer Associates Inc.		$^{\dagger}$	*											
CGG Data Processing Service Inc	•	T	Т						*		•			
CGX Corporation		*				Т	Т	$\vdash$						П
CL Systems Inc.		*		$\vdash$		T	Т	$\vdash$		П				
CMA Micro Computer		T										•		
CMC Associates Inc		*												
CMC Software		$\vdash$												
CPAids		T		*									•	
CPS - Medical Billing Systems							T			•				
CPS Inc.	•				*									
CR Inc (Compensation Resources)														
CRC Information Systems Inc.		*												
CRI										•				
CSW, Inc.					•		•	•	•	•	•	•	•	
CTEC Inc.						*	•		•	•	•		•	
CUC Insurance Services		*								T				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
C3 Inc.	•	$\vdash$				*					-	Н		
Cable Data	-					_				•				-
Cable Data  Cableshare Limited	-		-	-						_	•	*	•	-
CADLINC Inc.	-	-			-	-	-					*	-	-
Cadnetix Corporation	-	$\vdash$		$\vdash$		-	-	-	*	_	Ŭ	Н		-
Cado Systems of MD, Inc.	-			-		*			Ĥ		-	-		_
CADTRAK	-	⊢	$\vdash$	-		Ĥ	$\vdash$			•	•	Н	$\dashv$	-
Calculon Corporation		┝	*	$\vdash$	-	•	-	$\vdash$		ř	Ť	Н		
California Minicomputer Systems Inc.	•	⊢	Ĥ			-	-		$\vdash$	•	Н	Н		_
California Software, Inc	•	$\vdash$	-				-	-	-	•	•	•	•	•
Call Computer	•	Н	-		Н			$\vdash$	-	•	-	Ť		Ť
Calma Company	•	-	$\vdash$		-	-	_	$\vdash$	Н	•	•	•	•	•
Calspan Corporation Advanced Technology Center	•	$\vdash$	*			-	-			Ť	Ť		-	
Cambar Business Systems Inc	•	-			•	*	•	•	•	•				_
Camex	•				*						•			
Canada Systems Group	•					$\vdash$	Т	_		•	•	•		
Candle Corporation	•						$\vdash$			•	•			
CAP-CPP Inc.		Т	*								•			
Capcom Systems, Inc.	•	_				*								
Capsco	•	•	•	*	•	•	•	•	•	•	•	•	•	•
Cara Corporation				*							•	•	•	•
Care Computer Systems										*				
Career Systems	•		*											
Career Systems Inc.	•					*								
Carleton Corporation		*									•	•	•	•
Carousel MicroTools										•				
Catallatics, Inc.	•			*										
Catalyst USA Inc				*										
Chord Group Inc. (The)	•		*								•	•		
Cdex Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Centec Corporation		•	•	•	•	*	•	•	•	•				
Centennial Computer Services Inc.						*				L	L_			
Centex	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Central Credit	•					•			•		•	_	•	•
Central Systems Incorporated	•							*				_		
Century Analysis Inc.	•				_					•	-			
Century Associates	•						*			L	L	_		

<sup>★ =</sup> Headquarters

Dec. 1983 by INPUT, Mountain View, CA 94043. Reproduction Prohibited.

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INTL	CANADA	EUROPE	OTHER
Chain Store Systems Ltd		П	*											
Champion Service Corporation		$\vdash$		*										
Chancellor Computer Corp.		-								*				
Chang Laboratories Inc.						$\vdash$				•	•			
Chase Econometrics/ Interactive Data Corporation		*									•			
Chase-TCMS		$\vdash$								•				
Cheltonian Inc											•		*	•
Chemical Abstracts Services (CAS)				*	•			•	•		•		•	•
ChemShare Corp								*						
Chilton Corp								*						
CHIPS, Inc.									*					
Christensen, Laurits R. Associates, Inc.			$\vdash$	*										
Christian Rousing Computer Systems										*				
Chubb & Son, Inc.			*		•	•	•			•				
Cincom Systems Inc.				*									•	•
Circle Computer Services			•	*	•	•	•			•			•	•
Circle Software Corporation		П												
CISInetwork Corporation										•				
Citizens Automated Systems		Г	П	*										•
Citizens Financial Corporation		Г		*										
Claritas		Г				*								
Cliff Data Systems, Inc.	•		*											
Coastal Information Systems, Inc.	•	Г								•				
Cogito Data Systems		Г	*							Ī.,	•			
Cole, Layer, Trumble Company	•	•	•	*	•	•		•						
Collier-Jackson & Associates, Inc.	•										•			
Com Code Corporation											•			
Comcheq Services Ltd											•	*		
Comdata Network, Inc.							*				•			
Comm-Pro Associates	•									•	•	•	•	
Command Control & Communications Corporation	•	1								•	•			
Commercial Data Corp.	•	-									•			
Commercial Systems, Inc.	•						•							
Communications Computer Services Inc	•	-						*						
Communications Solutions Inc.	•					-	_		_	•				
Comp Info Inc.		-	*						_					
Comp-U-Card International Inc.	•	*									•	•	•	•

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS			IC	VTRAL	NTRAL	(7)	TRAL	VTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Comp-U-Staff Inc	•	$\vdash$				•								
Compeda Inc.	•	•	*	•	•	•	•	•		•			-	-
Complete Computer Systems	•	+	*	-	-	-	-	-	-	-				
Comptek Research Inc.	•	1	*						-	-				
Compu-Link Corporation	•	$\vdash$	$\vdash$	*	-	-				$\vdash$		$\vdash$		-
Compu-Share, Inc	•		1							-	-			
Compucheck	•	•	•	*	•	•	•	•	•	•	1			
Compufact	•	Т	$\vdash$			-				•				
Compumax Associates Inc.	•					$\vdash$				•	•	•	•	•
CompuMed/Systemedics	•	•	*	•	•	•	•	•	•	•				
Compupower Corporation			*				-		Ė		$\vdash$	$\vdash$		
CompuServe Incorporated				*							$\vdash$			
CompuShop	•		$\vdash$	•		•		•	Т		*	•		_
Computek	•	*												
Computek Computing Corporation								*				_		
Computer Application Systems Inc.	•	•	•	•	•	*	•	•	•	•	•	•	•	•
Computer Applied Systems Inc.											П			
Computer Assistance International Inc.		*	•	•				•	•	•				
Computer Associates International, Inc.,			*								•			
Computer Associates Inc.				*							Г			
Computer Company (The)						*		•			П			
Computer Concepts & Services Inc.											Г			
Computer Consoles, Inc.	•					*					•	•		
Computer Corporation of America, Inc.	•	*	•	•		•		•		•	•			
Computer Cost Control Corporation	•										•	•		•
Computer Covenant Corporation	•	*												
Computer Curriculum Corporation	•	•	•	•	•	•	•	•	•	•	•			
Computer Data Access Inc. (CDA)	•		*								•			
Computer Data Processing Inc.	•							*						
Computer Data Systems, Inc.	•		*	•		*				•				
Computer Designed Systems Inc.					*									
Computer Directions Advisors Inc. (CDA)	•				L						•			•
Computer Dynamics Inc.	•													
Computer Generation Inc.	•					*								
Computer Horizons Corp.	•		*	•		•		•		•				
Computer Income Planning Corp.			*											
Computer Innovations	•			*										

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Computer Input Corporation	•		_	_	<u> </u>				L	_	•	•		•
Computer Input Services, Inc	•		*	L	L	•						_		
Computer Language Research, Inc.	•						L	*	L	_		L	_	Ш
Computer Management Corporation	•		_			*		_		L	_			
Computer Network Corporation (COMNET)		•	•	_	•	*	_	_	1	<u> </u>	_	<u> </u>		
Computer Partners, Inc.	•	*	•	•	•	╙	_	_	_	╙		<u> </u>	_	Ш
Computer Power Inc.	•	_	_	_		*	-	_	_	_	_	┡		Ш
Computer Procedures Corp.	•	<u> </u>	_	_	-	┡	_	_	*	-	_	L-	_	
Computer Processing Institute		*	•	-	-	L	-	_	_	ļ_	_	_	_	$\perp$
Computer Research, Inc.	•	_	*	•	-	•	•		-	•				ш
Computer Resources International		•	•	•	•	•	•	*	•	•	•	•		-
Computer Results		_	_	*	⊢	•	-	┡	-	-	_	├-		
Computer Sciences Corporation	•	_	_	_	-	-	├-	-	-	L	•	_	•	•
Computer Services Associates	•	_			-		<u>.</u>		-	•				
Computer Services Corporation	•			L	-	$\vdash$	*		$\vdash$	⊢	<u> </u>	⊢		$\vdash$
Computer Services, Inc.	•	⊢	•	•	•	•	*	-	+-	-	-	-	-	Н
Computer Sharing Services Inc.	-	-	•	•	•	•	╀		*	•	_	H		Н
Computer Synergy, Inc. Computer Systems Development, Inc.	-	<u> </u>	_			-	⊢	-	⊢	•	H	$\vdash$	Н	$\vdash$
Computer Systems Engineering	-	*					-	-	⊢	•	-	_	-	-
Computer Systems Group, Inc	-	*			-			_	-			_	$\blacksquare$	-
Computer Task Group Inc.	-	*	-			•	┝		-	-	H		Н	$\vdash$
Computer Task Group Inc.  Computer Technology Associates	-	•	*	•	•	•		•	*	•	•	•	•	
Computer Usage Corporation	-	-	-	•	•	•	•	•	*	•	-	-	_	-
Computer Osage Corporation  Computer Aided Design Resources, Inc.	•	$\vdash$	Н		$\vdash$	-	-	-	$\vdash$	*	Н			
Computer Added Design Resources, The.	-	-	-		$\vdash$		$\vdash$	-	┢	*	•	•	•	-
Computerpower Corp	•	$\vdash$			_		-	-			-	-	-	-
Computervision Corporation	•	*	•	•				•	-	•	-		•	
Computing Productivity, Inc	-	*	<u> </u>	-				<u> </u>		-				
Computone Systems Inc.	•	Ĥ	-		-					-		-		-
Computac Inc.	•				-			*			Ť			
Computrol, Inc.	•	•	•		*	•	•	•	•	•	•			•
Computron Technologi Company Inc.	•	•	*	•	•	•	•	•	•	•				
Compuware Corporation	•			*		•			1	•	•			
Comserv Corporation	•	•	•	•	*	•		•		•	6			
Comshare, Inc.	•	•	•	*	•	•	•	•	•	•	<b>-</b>	•	•	

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Comtrac Inc.		•	•	*	•	•	•	•	•	•				
Comvestrix Corporation	•						$\vdash$							_
Concept Systems, Inc.		Г						$\vdash$						
Concord Computing Corporation		*												
Condor Computer Corp.	•			*							•	•	•	
Condor Corporation, The							*							
Consolidated Computer Corp			*											
Construction Computer Control Corporation				*							•			_
Construction Information Systems	•	•	•	•	•	•	•	•	•	•				
Construction Systems Assoc.	•	•	•	•	•	*	•	•	•	•	•			
Consultants for Information Resource Management Inc.	•			*							•			•
Consultec		•	•	•	•	*	•	•	•	•				
Consumer Systems Services Group, Inc.				•	•									
ConTel Data Services Corp	•										•			
ConTel Information Systems, Inc	•													
Context Management Systems	•									•	•	•	•	
Continental Computer Services, Inc.	Т									•				
Continental Data Processing, Inc.	•		*	Г										
Continental Information Systems		•	•	•	•	•	•	•		•				
Continental Medical Systems	•				*									
Continental Software										•	•			•
Continuum Co., The								*			•	•	•	•
Control Data Corporation					*						•			
Convey Company, Inc.	•	•	•	*	•	•	•	•	•	•				
Cook Data Services, Inc.	•							*	•	•				
Coopers and Lybrand	•		*											
Corodale Incorporated	•	*	•	•	•	•	•	•	•	•	•	•	•	•
Corporate Data Systems						•								
Corporate Systems	•										•	•		•
Corporate-TECH Planning, Inc	•	*	•	•	•	•	•	•	•	•	•			
Cost Systems Engineers	•							*			•			
Creative Output	•	•	*	•	•	•	•	•	•	•				
Creative Software Concepts Inc	•				*									
Creative Systems Group	•	•	•	•	•	•	•	•	•	•				
Credit Bureau Inc. of Georgia						*								
Ctrac Computer Services	•	•	•	*	•	•	•	•	•	•	•	•	•	•
Cullinet Software	•	*	•	•	•	•	•	•	•	•	•	•	•	•

<sup>★ =</sup> Headquarters

CYBERNET         ● ● ● ★ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INTL	CANADA	EUROPE	OTHER
Custor Computer Services	Curtis-Wright Computer Service			*											
Cutler-Williams, Inc.						*				•					
Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybernetics and Systems Inc.  Cybern	Cutler-Williams, Inc.	•	Г						*						
CYBERNET         • • • • • • • • • • • • • • • • • • •		•	•	*	•	•	•	•	•	•	•	•		•	•
Cybernetics System International Corp         Image: Cybernet Computer Products, Inc.         Image: Cybernet Computer Products, Inc.         Image: Cybernet Computer Products, Inc.         Image: Cybernet Computer Products, Inc.         Image: Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cybernet Cyber	CYBERNET		•	•	•	*	•	•	•	•	•	•		•	•
Cybernetics System International Corp         ■         ★         ■         ★         ■         ★         ■         ★         ■         ■         ★         ■         ■         ★         ■         ■         ★         ■         ■         ★         ■         ■         ★         ■         ■         ★         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■	Cybernetics and Systems Inc.	•					*	•							
Cybertek Computer Products, Inc.  Cybertek Computer Products, Inc.  Cycare Systems, Inc.  Cycare Systems, Inc.  D.E.S. Inc.  D.E.S. Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Systems, Inc.  DBA Syst	Cybernetics System International Corp						*					•		•	
Cyborg Systems, Inc.         ■         ★         ■         ■         ●         ■         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●	Cybershare Ltd	•										•	*		
Systems   Inc.	Cybertek Computer Products, Inc.	•									•				
Cycom Corporation	Cyborg Systems, Inc.				*							•	•	•	
D.E.S. Inc.	Cycare Systems, Inc.	•				*							•		
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	Cycom Corporation	•			*										
DBA Systems, Inc.       ●       ★       ■       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●        ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●	D.E.S. Inc.	•			*										
DBMS, Inc.		•			*										
DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DDCD Company  DD	DBA Systems, Inc.						*								
Debt Systems Inc.	DBMS, Inc.				*							•	•		_
DMR & Asociates       Image: square problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the probl								_			•				
DAW Group, Inc.			L	_											
DNA Systems, Inc.			_		-	_	_	-	_	_	•	_	_	▣	•
DRY Inc.			•	•	-	•	•	•	•	•		_	•		•
DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE   DATE		_	_		*			_	_	_	L	<u> </u>	_		
DYX Corporation       ●       ★       ★       ■       ★       ■       ■       ★       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■			<u> </u>						_	_	-	•	•	•	•
Da-Tronics, Inc.       ●       ★       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■		_				*			L	_	•		_	_	
Dagor, Inc.       ●       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■ <t< td=""><td></td><td></td><td>上</td><td></td><td>_</td><td></td><td>_</td><td>_</td><td>*</td><td>_</td><td>L</td><td></td><td>L</td><td></td><td></td></t<>			上		_		_	_	*	_	L		L		
Dagar Enterprises			╙		*	_			_	<u> </u>	L	$\vdash$	_		_
Daisy Systems Corp.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		<u> </u>	_				L	_	_		L	•	_		•
Dalgety, Inc.       ●       ■       ●       ■         Darcor       ●       ■       ■       ●       ■         DASD Corporation       ●       ★       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■			-				_	-				_			_
Darcor			•	•	•	•	•	•	•	•	_	•		•	•
DASD Corporation			-					-				_	_		-
Data Architects, Inc.       ● ★       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■ </td <td></td> <td>_</td> <td>-</td> <td></td> <td></td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td> <td>-</td> <td>•</td> <td></td> <td></td> <td>•</td>		_	-			_	_				-	•			•
Data Base Logic Inc.         ●         ★         ★           Data Base Management, Inc.         ●         ★         ■           Data Basics Corp.         ●         ★         ■         ●           Data Belt Corporation         ●         ★         ■         ■	DASD Corporation	_	-		*	_			-			_	-		-
Data Base Management, Inc.         ● ★         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■			*					-			-	•	-		
Data Basics Corp.         ●         ★         ●         ●           Data Belt Corporation         ●         ★         ■         ■	Data Architects, Inc.		1				*	_	_		_	_	-		
Data Belt Corporation	Data Architects, Inc. Data Base Logic Inc.	——	١.												
	Data Architects, Inc. Data Base Logic Inc. Data Base Management, Inc.	•	*				-			_	-		$\vdash$		-
Data Communications Corporation	Data Architects, Inc. Data Base Logic Inc. Data Base Management, Inc. Data Basics Corp.	•	*	_								•		•	

<sup>★ =</sup> Headquarters

	_	_	_			_	_	_	_	_		_	_	
GEOGRAPHIC MARKETS				SAL	RAL		IAL	RAL						
	J.S.	GLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	ORTH CENT	ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	AIN		NL			
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE	EAST NO	WESTN	SOUTH	EAST SO	WESTS	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Data Computing Corporation		$\vdash$	*			•						$\vdash$		
Data Concepts		*	•		•	•	•	•	•		$\vdash$	-	-	_
Data Consultants Inc.	-		*			•	•	•	•	•	-			_
Data Counts	•	Ť	-	Ť	-	-	Ť	-	-	Ť	-	$\vdash$	-	_
Data Design Associates, Inc.	•	•	•	•	_	•	•	-	•	*	$\vdash$	$\vdash$		-
Data Directions, Inc.	•	Ė	Ė	Ė		-	-	-	Ť	•		-	-	$\vdash$
Data Flow Inc.	•					*		-		-		Н		
Data General Corporation	•	*	•	•	•	•	•	•	•	•	•	•	•	•
Data Inc.		*		Ė	-	_	-	1	Ť	Ť	•	•	-	Ť
Data Index Incorporated		$\vdash$	-	_		$\vdash$	-	*		-	•	Ť	•	_
Data Law Company	•	•				_		-	*	-	Ť	-	Ť	_
Data Management Inc.	•	-	_		*		_	_				-		_
Data Processing & Accounting Services	•	Г						$\vdash$		•				_
Data Processing Center Inc.	•				$\vdash$		-	*	_					_
Data Processing Consultants	•								*					_
Data Processing Design, Inc.			Г	_						•	•	•	•	•
Data Processing Services Inc.	•		$\vdash$			*								
Data Resources, Inc.	•	*					_				•			
Data Solutions Inc.	•						_			•				
Data Systems Consultants	•		*											
Data Systems for Industry	•									•				_
Data Systems of Baton Rouge	•						-	*			•			_
Data Systems, Inc.	•									•				_
Data Tek, Incorporated	•	•	•	•	•	*	•	•	•	•	•			•
Data Ten, Inc.	•									*				
Data Train, Inc.	•									•				
Data Universal Corp.	•		*								•	•		
Data 3 Systems	•	•		•	•	•	•	•	•	•	•	•		
Data-Tax, Inc.	•			*										
Database Design Inc.	•			*							•	•	•	•
Dataco, Inc.	•		*											
Datacomp Corporation	•		*								•	•		
Datacor Services Inc.	•									•				
Datacrown Inc.	•										•	*		
Dataflow Systems, Inc.	•					*					•			
Datalex Company	•									•	•		•	
Datalift Corporation										•				

-13-

<sup>★ =</sup> Headquarters

Dataslink Business Systems, Inc.	GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	отнек
Datatab Inc.	Dataslink Business Systems, Inc.	Т								*			Г		
Datec, Inc.         ●         ★         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □ <t< td=""><td></td><td>•</td><td>*</td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>Г</td><td></td><td></td><td></td><td></td><td></td></t<>		•	*	•						Г					
Datek Insta Card Corporation	Datatel Inc.	•	•	•	•		*								
Datex Inc	Datec, Inc.			-								•			
Datex Inc	Datek Insta Card Corporation		•	*											
Davidson Associates  Dealer Information Systems  Dealer Information Systems  Debugge Computer Services Inc.  Decimus Corporation  Decision Focus Inc.  Decision Services, Inc  Decision Sciences Corporation  Decision Sciences Corporation  Decision Sciences Corporation  Decision Systems, Inc.  Del Bron Inc  Del Bron Inc  Del Rey Systems, Inc.  Del-Data Computer Services  Deloitte Haskins & Sells  Delphi Systems Inc.  Denver Software Company, The  Designer Software Company, The  Designer Se Builders of Information Systems  Designer & Builders of Information Systems  Designer & Suliders of Information Systems  Designer Systems Inc.  Digital Toystems Inc.  Digital Equipment Corporation  Digital Information Systems Corp. (DISC)  Digital Information Systems Corp. (DISC)  Digital Information Systems Corp. (DISC)  Digital Information Systems Corp. (DISC)  Digital Marketing Corporation					*										
Dealer Information Systems  DeBugge Computer Services Inc.  Decision Focus Inc.  Decision Focus Inc.  Decision Systems, Inc.  Decision Systems, Inc.  Del Bron Inc  Del Rey Systems, Inc.  Del-Data Computer Services  Del-Data Computer Services  Delpital Haskins & Sells  Delpits Systems Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design	Datronics, Inc		$\overline{}$	*											
DeBugge Computer Services Inc.	Davidson Associates	•	•	•	•	•	•	•	•	•	•		Г		
Decimus Corporation	Dealer Information Systems	•	•	•	•	•	•	•	•	•	•	•	•		
Decision Focus Inc.	DeBugge Computer Services Inc.	•	•	•	•	•	*	•	•	•	•	•		•	
Decision Graphics	Decimus Corporation	•	_								•				
Decision Products Services, Inc	Decision Focus Inc.	•					Т	Т		П	•		Г		П
Decision Sciences Corporation	Decision Graphics	•	*										•		•
Decision Systems, Inc.	Decision Products Services, Inc	•										•	•	•	
Decisions Development, Inc.	Decision Sciences Corporation	•		*									Г	•	
Del Bron Inc Del Rey Systems, Inc. Del Pata Computer Services  Del-Data Computer Services  Deloitte Haskins & Sells  Delpit Systems Inc. Denver Software Company, The  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Digital Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Aids, Inc.  Design Ai	Decision Systems, Inc.	•				*									
Del Rey Systems, Inc.  Del-Data Computer Services  Del-Data Computer Services  Deloitte Haskins & Sells  Delphi Systems Inc.  Denver Software Company, The  Design Aids, Inc.  Design Aids, Inc.  Designers & Builders of Information Systems  Design Ware  Desovelopment Systems International  Dexel Systems Corporation  Dialogue Inc.  Dialogue Inc.  Digital Datacom Inc.  Digital Equipment Corporation  Digital Equipment Corporation  Digital Information Systems Corp. (DISC)  Digital Information Systems Corp. (DISC)  Digital Marketing Corporation	Decisions Development, Inc.	•		*											
Del-Data Computer Services	Del Bron Inc	•													
Deloitte Haskins & Sells	Del Rey Systems, Inc.	•									•				
Delphi Systems Inc.         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■							*								
Denver Software Company, The	Deloitte Haskins & Sells	•		*											
Design Aids, Inc.	Delphi Systems Inc.										•	•	•		
Designers & Builders of Information Systems	Denver Software Company, The	•								*		•	•		
Design Ware		•									•	•			
Development Systems International		•	•	*											
Dexel Systems Corporation		•	•	•	•	•	•	•	•	•	•				
Dialog Information Services, Inc.       ●       ★       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		•									•	•		•	•
Dialogue Inc.       ★       ★       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		-													
Digicon Inc.		-									•	_		_	
Digital Systems Inc.			_	*								_		_	_
Digital Datacom Inc.		-						•	*	•		•	•	•	•
Digital Equipment Corporation		1-	_	*											
Digital Information Systems Corp. (DISC)  Digital Marketing Corporation  Digital Marketing Corporation		_			_	_		_			•				
Digital Marketing Corporation		_	*									_			
		-	_								-		•	•	•
	Digital Marketing Corporation Digital Microsystems	•						_			•	•			

 $<sup>\</sup>star = Headquarters$ 

GEOGRAPH MARKETS	IIC S			7	I.			Į,						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Digital Research Inc.		$\vdash$	1	_						•		$\vdash$		_
DIMIS, Inc.		•	*	•	•	•	•	•	•	•	$\vdash$	$\vdash$	-	H
Direct Merchandising Services	•	•	•	*	•	•	•	•	•	•	$\vdash$	⊢	-	Н
DIRECT, Incorporated		Ť	۲	l^	-	<u> </u>	Ť	Ť	-	•	•	-	•	H
Directions Inc			•	•		•	•	*	•	•	۲	$\vdash$	Ť	H
DISC, Inc.		Ė	Ė	Ė	Ė	*	1	-	Ť	-	•	•	•	•
Distributed Systems Corp.		*	$\vdash$			-			-		Ť	-	Ť	Ť
Distribution Management Systems Inc.		*	$\vdash$		_	$\vdash$			-		•			r
Distribution Sciences Inc.		$\vdash$	$\vdash$	*				_			-		_	H
Diversified Data Resources, Inc.			$\vdash$							•			-	H
Diversified Data Systems Inc.			$\vdash$								•	$\vdash$		
DOSE Pharmacy Systems	•	$\vdash$						*			-			
Dow Jones Information Services Group			*								•			
Dow Jones News/Retrieval Service	•	Г	*								•			
Dubuque Data Services	•				*									
Dun & Bradstreet Computing	•	*	•	•		•		•						
Dun and Bradstreet	•													
Duquesne Systems Inc.	•										•	•	•	
Dyatron Corporation							*							
Dyer, Wells & Associates	•	•	•	•	•	*	•		•	•		•		
DYLAKOR	•													
Dynalectron Corporation	•					*								
Dynamic Control Corporation	•	L	L			*								
Dynamic Data Processing Inc.	•					*								•
Dynamicro Software Corp. (DSC)	•	•	•	•	•	•	•	•	•	•		•		
Dynamics Research Corporation	•													
Dynax Resources, Inc.	•	_	*											_
E.H.C. Data Group	•													
EBS Data Processing Inc.	•	_							*	•	▣			_
EECO Computer Inc	•									•	▣			
EFT Data Services, Inc.	•	*	•	•	•	•	•	•	•	•				
EMA, Inc	•	•	•	•	*	•	•	•	•	•	•	•		
201	•	-	_	-		*					므	•		-
ETA International, Inc.		*	-								•	•	•	
Eagle Computing Corporation Eastern States Bankcard Associates	-	-	-								-		-	
Eastern States Bankcard Associates			*											

<sup>★ =</sup> Headquarters

GEOGRAPHI MARKETS	С		C	TRAL	VTRAL		TRAL	TRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
EDU-Ware Services, Inc	•										•	•	•	•
Educational Methods, Inc	•								*					
Electrocon International, Inc.	•			*										
Electron Information Systems	•								*					
Electronic Banking Systems	•							*						
Electronic Data Systems Corporation	•							*			•			
Electronic Tabulating Corporation	•	Г	*											
Elke Corporation	•	Г			*							•		Г
Embassy Institute, The	•				*						•	•	•	
Employee Communication Services Inc.	•	Г												
Endata, Inc.	•	Г					*							
Energy, Inc.	•	•	•	•	•	•	•	•	*	•	•	•	•	•
Enertec Inc.	•		*								•	•	•	•
Engineering Systems Corporation	•							*						
Enterprise Computer Systems	•													
Environmental Systems Research Institute	•									•	•			
Equifax Inc.	•					*					•			
Ernst & Whinney	•			*										
Escom, Inc.	•									•	•	•	•	•
Essex Corporation	•	L				*								
Evaluation Planning Systems International, Inc (EPS)		*												
Evans & Sutherland	•								*		•		•	
EXECUCOM Systems Corporation	•							*			•			
Executec Corporation	•	•	•	•	•	•	•	*	•	•	•			•
Executive Compumetrics	•	•	•	*	•	•	•							
Executive Systems, Inc.	•	L				*								
Executive Technology Data Systems (ETDS)	•	•		•				•			▣	•	•	•
Factory Systems	•	*	_											
Fair, Isaac Companies	•	•	•		•	•	•	•		•	▣		•	
Federal Data Corp	•	_								▣				
Federal Electric Corporation	•		*											_
Ferox Microsystems, Inc.	•	_				*					•	•	•	
Fidler Bateman	•			*										
Figgie Systems Management Group, Inc.	•	_		*										
Financial Data Services	•					_				•				
Financial Decisions Systems, Inc.														

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				SAL	RAL		ML	RAL						
COMPANY	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	FOTAL INT'L	CANADA	EUROPE	ER
NAME	TOT	NEV	MID	EAS	WES	SOU	EAS	WES	MOI	PAC	TOT	CAN	EUR	OTHER
Financial Interstate Services	•					•	*							
Financial Services, Inc.			*											
Financial Software Inc.		•		•	•	*	•	•	•		•			
Financial Software of America						*					•			
Financial Systems Consultants	•			*										
Finar Systems Limited								*			•	•	•	
Finserv Computer Corporation			*				•			•				
First City Services Company								*						
First Computer Corporation					*									
First Data Management Company								*						
First Data Resources, Inc.					*									L
First National Corporation of Appleton														L
Five Technology, Inc.			•	*										
Fleet Information, Inc.		*												
Florida State University Computing Center						*								
Flow General, Inc.	•					*						•	•	
Fong Gifford Associates		•	•	•	•		•		•	•	•	•	•	
Ford & Associates, Inc				*										
Foresight, Inc.														•
FORTH, Inc.										•		•		•
Fox & Geller, Inc.			*								•	•	•	•
Frey Associates, Inc.		*												
Frey Federal Systems Corporation		*		П		Ι					•	•	•	•
Friesen International, Inc.				П		*	Г		П	Ι				4
FundsNet, Inc.		Г	*			•		•						
Fusion Products						Π						•	•	•
G. T. Software, Inc.						*					•	•		
GAI California, Inc.									•	•				
GMD Systems International Inc.						*					•	•		4
GMS Systems, Inc.		Г	*											
GTECH Corporation		*		•								•		
Galler Automation Industries Inc.	•					*					•		•	•
Galler Hospitality Systems Inc.									*					
Gamma Systems Services						*								L
Gancom Inc.			*											L
Garner Venture Computing		•	•		•	•	•	*	•	•	L			L
Garrett Computing Systems Inc.								*				•	•	1

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	+	Ļ	-	Ļ	Ļ	-	-	-	-	Ļ	-		-	-
Geac, Inc.	•	•	•	•	•	•	•	•	•	•	_	_	-	H
GEJAC Incorporated	•	-			-	*	-			•	•	-		
Gemini Business Systems	-						-	-		•	-	-	_	
GENASYS Corporation	-	-	-		-	*	$\vdash$	-	-		-			-
Genelco, Inc.		_	_	-	*	-	⊢	H	-	_	_	_	_	L
General Automation, Inc.	•	-	Ļ	ļ.,	-	Ļ	-	-	-	•	•	•	•	
General Computer Corporation	•	•	•	*	•	•	•	•	•	•	<u> </u>	-	-	L
General Construction Data Systems,Inc	•	_	_	⊢	-	-	-	*	-	-	<u> </u>	_	_	-
General Contractor Data Service	•	_	<u> </u>	-	-		-	*	-	-	L	L	Ļ	-
General Electric CAE International, Inc	•	_	-	*	-	_	-	-	-	_	•	_	•	•
General Electric Information Services Company	•	•	•	•	•	•	•	•	•	•	•	_	_	
General Systems Group, Inc.	•	*	•	•	•	•	•	•	•	•	•	_	•	
Genesee Computer Center, Inc.	•	_	*	L			⊢	_			•	•	_	
Genesys Software Systems, Inc	•	*		_			_				•	•		
Genigraphics Corporation	•	L	*	_	_	_	_	_	_	_	L	<u> </u>	_	_
Geobased Systems, Inc	•			L	_	*	_	_	_	_	•	L.		•
Geographic Systems	•	*									•	_		
Geophysical Systems Corp	•							•	•	•	_	_		
GeoQuest International Inc.	•							*			•	•	•	•
Geosource Inc.	•		_					*			•			_
Gerber Scientific, Inc.	•	*									•			
GESCO Corporation	•													
Gilbert Associates Inc.	•		*								•			
Global Data Corporation/DFA										*				
Global Data Corporation, Inc.	•									•				
Global Data Midwest Corp	•			*										
Global Software	•										•	•	•	
Goal Systems International Inc	•			*							•	•	•	
Gottfried Consultants										•				
Gramco Inc.	•				*									
Graphic Arts Data Service	•			*										
Graphic Software Systems	•									•	•	•	•	•
Graphics Concepts, Inc.	•			*										
Great Plains Software, Inc.	•				*									
Greer Sontag Associates Inc.	•		*											
Groundstar Software	•										•	•	•	•
Group Operations, Inc.	•					*					•	•	•	

<sup>★ =</sup> Headquarters

GEOGRAPHIC														
MARKETS		D	NTIC	CENTRAL	CENTRAL	TIC	ENTRAL	CENTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Grumman Data Systems Corporation			*	Г										
Gull Resources Management Systems, Inc			*		П									
H & A Computer Systems Inc								П		•	•	•	•	
H & W Computer Systems								Т			•		•	
HAI Computer Services					•					*				Ξ
HBO & Company						*								
HW Systems, Inc.										*				
Hadron Inc.						*								
Hal Systems & Services		•	•	•	•	•	•	*	•	•	•	•	•	
Haney & Associates										*				
Harris & Paulson Inc.		•			П				*	•				
Harris Data Service Inc.				*							0			
Harris Publishing Company			•	*	•	•	•	•	•					
Haverly Systems Inc.	•		*								•		•	
Hayden Publishing Software	•	*									•	L		
Health Information Systems Inc. (HIS)		L	*		L									
Health Systems Institute of Maine		*						L				L		
Heights Information Technology Service, Inc.			*	1		L	L	L			_			L
Hemenway Corporation		*										L	•	L
Henry, Jack & Associates			•		*		•			•		L	L	•
Heritage Computer Corporation				*	┖	L						•		L
Heuristic DataSystems, Inc.				*			_				L			L
Hewlett-Packard General Systems Division						L		L						L
Higley & Company, Inc.	•			*		L	_	L		_	L	<u> </u>		L
Hilltop Enterprises, Inc.	•		L			*			_			↓_		L
Hogan Systems, Inc.	•	_		$\perp$	╙	1	_	*	_		•	┺	_	L
Holland Systems		L.		*		_					•	•		L
Holmes & Shaw Inc.		*			-		1		-			_		L
Honeywell Inc.					_		-		-		•	_		L
Hospital Data Services			-	1	_	_	_	*	_	-	1	-	_	L
Hotze, James B. Company	$\perp$					-		*	_	-		-	-	L
Houston Data Center Inc.	•	1	_		-	-	-	*	_	-	1	-		1
Houston Information Systems Inc		-			_	-	-	*	-		-	-	-	1
Humatix Business Systems Inc.	•	1	1		1	1	-	•	+-	*		-	-	1
IBM Information Network	•	*	•	•					•		-	1	-	1
ICS Group	•	1	-	-	1	-	-	-	-		1	1	-	1
IE Systems Inc		L												1

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS					. ,									
MARKETS	U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	LAIN	b	INTL	A	3	
COMPANY NAME	TOTAL U.S.	NEW E	MIDDL	EASTN	WEST	SOUTH	EASTS	WESTS	MOUNT	PACIFIC	TOTAL INTL	CANADA	EUROPE	OTHER
IFA Computer Services Inc.	•		*											
IMI Systems		•	*			•		•			•			Ĺ.,
IMS Systems Corporation	•		*											
ITT Dialcom, Inc.	•					*					•	•	•	
I-Concepts, Inc	•							*						
Iconix	•									•				
Ikier Technology	•	*									•			
Incepts, Inc.								*						
INCO Inc.											•			
Indecon Inc.		•	•	*	•	•	•	•		•				
Independent Computer Systems (ICS)					Г				*		•	•	•	•
Independent Tax Corporation (ITC)									Г	•				
Index Systems Inc.		*									•			
Info Systems of North Carolina Inc.	•					*								
Infodata Systems Inc.		•	*	•	•	•	•	•	•	•	•			
Infomark, Inc.		Г	*		Г				Г	П				
Informata Landex Systems	•	•	•					•	•	•	Г			
Informatics General Corp	•									•	•	Г		
Information Access Corp.		•	•	•	•	•	•	•	•	*	•	•		
Information Builders, Inc.			*			•	•	•		•	•	•	•	
Information Handling Services			$\vdash$		$\vdash$	Т	$\vdash$		*	Т		•	•	
Information Management International						•							•	
Information Management Software Specialists, Inc.				*	$\vdash$				$\vdash$		$\vdash$			
Information People Inc, The		$\vdash$	_	*		$\vdash$								
Information Processing Corporation			_		1	$\vdash$	$\vdash$	*						
Information Processing Inc.							Т	*				$\vdash$		
Information Research Associates			•		•			*	•	•			•	
Information Resources Inc.	•	•		*				•						
Information Resources Ltd		•		•				•	*	•	•		•	
Information Science, Inc.			*								•		•	
Information Systems Inc.	•	*												
Information Systems Inc.		*												
Information Systems of America, Inc. (ISA)		•				*		•		•	•	•		
Information Unlimited Software Inc. (IUS)	•									•	•	•	•	
Inforware Systems, Inc (ISI)									*					
Infoservices, Inc														
Infotec Development Inc.														

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Infotecs	•	*		•		•			•	•				
Innosys, Inc.	•					$\vdash$			$\vdash$	•		1		
Innovation Data Processing, Inc.	1		*	$\vdash$				$\vdash$				$\vdash$		
Innovative Software, Inc.	•		1		*						•	•	•	•
Input Output Computer Services	•	*						1						
Input Services, Inc.						*	$\vdash$	$\vdash$	$\vdash$					
Insight Software Systems		1	$\vdash$	*		Т	T							
Inslaw, Inc			1	$\vdash$		T	1							
Insurance Information, Inc						*					$\vdash$			
Insurance Servicing & Information Systems Corp.						*	$\vdash$	$\vdash$	$\vdash$		$\vdash$			
Integral Business Computing, Inc.		$\vdash$	$\vdash$	$\vdash$	T	Т	Т	Т						
Integral Systems, Inc. ISI		$\vdash$	$\vdash$	T	$\vdash$	Т			$\top$	•		Т		
Integrated Automation Inc.			Г			*					Г			
Integrated Office Concepts Inc.						Г		Г	*		Г	П		
Integrated Software Systems Corporation (ISSCO)										•				
Integrated Systems Group Inc.			Г		Γ					•	•			
Integrated Systems Management	•									•				
Intel Systems Corporation			Γ	П				*			•			
Intellectron International, Inc.										*				
Intelligence Interlink Corporation			*							-				
Inter-Care	•									•				
Interactive Applications, Inc.										•				
Interactive Information Systems, Inc.	•			*							•		•	•
Interactive Information System Inc.	•		*											
Interactive Management Systems, Inc. (IMS)	•	*									•		•	•
Interactive Market Systems, Inc.		Г	*	П			Г				•		•	•
Interactive Software Inc.	•							*	•					
Interactive Software Systems Inc.	•								*					
Interactive System Corporation	•								*					
INTERACTIVE Systems Corporation										•				
Intergraph Corporation				_	_		*	_					•	•
Intermetrics, Inc.		*				_				•			•	
International Business Machines	•	1	1		_			_	_		•	-	_	
International Business Services Inc.	•		1	-		*	-	_	-			-		•
International Computaprint Corporation	•		*	-	-	-	-	-	-	-	-	_		-
International Computer Systems	•		-			-	-	1	-	-	-	-	-	-
International Graphics														

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	+	L	-	_	<u> </u>	_					_	L		L
International Micro Systems Inc.	•	_	╙	_	*	-	_			L	•	•	•	•
International Programming Labs	$\perp$	*	_	_	L	_	_	_	_	_	_	_		L
Interpretive Data Systems	•	*	┡	_	_	-	_	_					_	L
Interpretive Data Systems	•	*	-	-		-					_			
Interstate Computing & Software Corporation	•	•	*			•	_	_						
Investment Computer Services Inc	•	L	_	_	*		_			_	_	L	_	
JBS Associates, Inc.	•	•	*	•	•	•	•	•	•	•				_
Jacobsen & Associates	•	•	•	•	•	•	•	•	•	*	_			
James, Fred S. and Company		•	*	•	•	•	•	•	•	•	•	•	•	L
Johnson Systems Inc.	•	L				*					•	L	•	
Johnston Brown & Associates Inc (JBA,Inc)	•									•	•	L	•	•
K.H. Little, Inc.	•	*	•	•	•	•	•		•	•	•	•		
K-Squared Systems	•		*								•	•		
Kappa Systems Inc.	•	•	•	•	•	*	•	•	•	•				
Keane, Inc.	•	*	•											
Kearney, A T	•			*							•			
Kearns, Robert J., Inc.	•	Г		*						Г				Г
Kebert Corporation			Γ							•				
Kennedy & Coe		П	Γ		*					Ι				
Key Data Services Inc.		П	П							•				
Keydata Corporation		*				Г				-	•	•		
Keypunch & Systems Support, Inc.	•		*											
Keystone Computer Associates Inc.			*											
Kimbrough Computer Sales, Inc.								-	*	_				-
Kirchman Corporation						*								
Knuth Computer Services Inc														
Krell Software Corp			*	•	•	•	•	•	•	•	•	•		•
Krohm International, Ltd	•			*				•	•					
L.D.M. Inc.	•	•				•			•	•				
LCS Data Processing Inc.	•									•				
LAN Systems, Inc.	•				*						•	•		
Landart Systems, Inc.	•	•	*	•			•	•	•	•	•		•	•
Lawson Associates	•	•	•	•	•	•	*	•	•	•	•	•		•
Learmonth & Burchett Management Systems Inc (LBMS)											•		•	
Learning Company, The		•	•	•	•	•	•	•	•	•	•		•	
Levi, Ray & Shoup Inc.	•	•		*	•	•	•	•	•	•	•			•
Libra Technology Group						*								

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
MARKETS		NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	AIN		NTL	1		
COMPANY NAME	TOTAL U.S.	NEW EN	MIDDLE	EAST NO	WESTN	SOUTH	EAST SO	WEST SO	MOUNTAIN	PACIFIC	TOTAL INT'I	CANADA	EUROPE	OTHER
Lifeboat Associates Inc.	•		*								•			
Link Systems								1		•		•	•	•
Linton, Shafer & Co						*		1	-					
List Processing Company, Inc.				*										
Little, Arthur D., Inc.		*									•			
Litton Computer Services														
Litton Industries, Inc.	•									•	•			
Litton-Mellonics		$\vdash$	П	$\vdash$										
Lockwood Association Inc, The								*			•	•		
Logic Inc.		1						*						
Logicon Inc.														
Logistics Systems		*		•		•		•	•	•				
Logos			*								•			
Lotus Development Corporation		*						П						
Loud Consulting Corp		Г	*								•			•
Lowenthal Programming Corporation		Г	*				Г							
Lowry, James H & Associates				*						•				
Lynch Data Processing		Г		*										
M/A-COM Sigma Data, Inc.		П				*	П							
MBS Software										•				
MCRB Service Bureau		П								*				
MCT Information Systems, Inc.		Г	*											
MDS, Inc.		Г		*		П								
MHT Services Inc.		Г	*			П		П			•	•	•	
MIPS Software Development Inc.				*		П					•	•	•	
MIS, Inc.		Г	*											
MJK Associates		Г	Г			Г				•				
MNC International, Inc. Micro Network Division		Г		Г	*		T				•		•	
MPSI Group Inc., The			L					*						
MVSE Software											•	•	•	•
MacDonald Computer Systems										•				
MacNeal-Schwendler Corporation										•	•	•	•	•
Macro Corporation	•		*								•			
Madic Corporation	•									•	•	•		
Magnum Communications, Ltd 320 Interstate N. Pkwy.						*								
Mailhouse, Inc.					*									
Management & Computer Services Inc.			*							L		•	•	L

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Management Computer Services, Inc.	•			*	_							_		
Management Computer Controls	•					L	*	_			_			
Management Control Systems Inc.	•				_	L	•	*			L			
Management Cybernetics International	•					*					_		_	
Management Data Communications Corporation		•	•	*	•	•	•	•	•	•				
Management Decision Systems, Inc.	•	*									•	_	_	Ш
Management Design Associates		•	•	•	•	•	•	•	•	•	_	_		
Management Directions, Inc							_	_		_		_		
Management Informaton Systems Group, Inc. (MISG)	•		_		_	*								
Management Science America, Inc.		•		_	•	*	•	•	•	•	•	•	•	
Management Systems Associates		•	•	•	_	*	L	_						
Management Systems of Wausau Inc.			_	*		L		_	_			L		
Manager Software Products Inc.		*									•	_		
Mann Data Inc.	•	*	_	_	╙		_			$\perp$	L	_	_	
Mann, Charles & Associates Micro Software Division		_	_	_	<u> </u>	_	_	_		•	•	_	_	
Mantissa Corporation		•	•	•	•	*	•	•	•	•	•	•	•	•
Manufacturing Data Systems, Inc.	•			*	ļ	_	_		L	-	•	_	_	
Manufacturing Resources Management	•	_		*	_		-			-	•	-	•	
Manufacturing Solutions and Systems	•	L	_	┡	_	L-	<b>├</b>	_		_	•	•	_	
MANUS Services Corporation	•	<u> </u>	_	-	-	-	⊢	-		•	L	-		
Maple Plain Company	•	_		-	-	<u>_</u>	┞	-		-	•	-	_	
Marathon Management Systems	•	_		-	-		├_	⊢	*	Ļ	Ļ	L	_	
MARC Analysis Research Corp.	•	<u> </u>	_	-	⊢	-	-			•	•	•	•	•
Marcam Data Systems Corporation	•	⊢		$\vdash$	-		-	+	$\vdash$	-	•	•	•	
Marchbanks and Parker, Inc.  Marcoin Business Management Services, Corp	•	⊢	-	⊢	⊢	*	•	*	⊢	⊢	⊢	┝	-	
	-	⊢		$\vdash$	$\vdash$	*	⊢	⊢	-		-	-		
Mariposa Corporation  Maritime Computer Corporation	-	•	*	$\vdash$	$\vdash$	-	├-	$\vdash$		•	-	-	-	-
Mark/Ops	-	-	-							-	-	-	-	
Marketing and Systems Development Corp., The	•		*			•			•		$\vdash$	$\vdash$	-	
Marshall and Swift Publication Company	•	•	•	•	•	•	•	•	•	•		-	-	$\vdash$
Martell Laboratories	-	•	•	•	•	*	•	•	•	•		-		•
Martin and Stern Inc.		-	<u> </u>	-	1	-	-	-		•	-			-
Martin Marietta Data Systems	•	*	•		•	•			•	•	•	-		
Master Information Systems	•		*	1	Ť		1			1	-			
Mathematica, Inc.	•		*		•	•	•	•	•	•	•	•	•	
Mathematical Applications Group			*								-			

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				T	II.			T						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Matlen Silver Group Inc., The	T		*											
Matrix Insurance Services Inc.								*						
May & Speh Processing Center, Inc.				*			$\vdash$	$\vdash$						
Mc Clintock						*				_	•			_
McCormack and Dodge, Inc.		*									•	•	•	•
McCullough and Associates					*						•	•		
McDonnell Douglas Automation Company		•	•				•	•		•	•			
McGraw-Hill Information Systems Company			*		_	_	<u> </u>							
McGraw-Hill/Multilist			*	$\vdash$		-	_							
McSpadden & Porter Inc.		*	_								•		•	•
Mead Data Central		_	•	*							•	П		_
Mechanics National Bank		_	-							*				
Media Services Inc./3M		*							-		•	•	•	
Medical Data Control	•				*		T							
Medical Data Services						*								
Medical Datamation				*							•	•		
Medical Engineering Inc						*								
Medical Information Technology Inc. (MEDITECH)		*									•	•	•	
Medicus Systems, Corp.		0		*		•			•		•	•		
Medidata Inc.		Г												
Megatek Corporation	$\top$		-		П									
Mellon Bank Data Center		*	-											
Meridian Systems Inc		*												
Metamorphics			*		-	-					•			
Metasystems Inc.				*										
Metier Management Systems, Inc								*					•	
Metro Bank														
Metro System, Inc.								*						
Metrocom Inc.		-				*								-
Metromail Corporation					*									
Micor-Net, Inc.									*					
Micro Associates Inc.														
Micro Business Systems Inc.														
Micro D. Inc.						•	•	•						
Micro Data Base Systems, Inc. (MDBS)				*	*									
Micro Focus Inc.		•	•	•	•	•	•	•		•	•		•	
Micro Macro Systems Inc.														

<sup>\* =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L		EUROPE	OTHER
Micro Solutions, Inc. (MSI)	•	Ì								•	•	•		
Micro-Base Associates, Inc.	•			*										
Microcommet	•					*								
Microcomputer Software	•													
MicroPro International Corp	•									•	•			
Microsoft, Inc.	•									•	•			
Mid-American Control Corporation							*				•	•	•	
Midcom Corporation	•	•	•	•	•	•	•	•	•	•	•			
Miller Computing Corp	•	•	•	•	•	•	•	•	*	•				
MIMICS, Inc.	•	•	•	•	•	•	•	•	•	•				
Mincron SBC Corporation		Г	*											
Mineral Search, Inc	•													
Mini Data Systems	T								Г	•				
Mini-Computer Business Applications, Inc. (MCBA)						П				•	•	•	•	
Mini-Computer Support Group	•	•	•	*				•	•		•	•		
Minicomputer Modeling Inc.	•										•			
Miningham & Oellerich, Inc.		*												
Misco				Г		*			П					
Mitchell Matics										•	•			
Mitre Corporation		*				Г		П						
Mnemonics Inc.							1	П			•		•	•
Mobius Division				_						Т	•	*		
Modular Information Systems, Inc. (MIS)			•	•	Г	*				•	Г	Г		
Monchik-Weber Corporation			*				Т							
Montgomery Data Systems Inc.						*	П	Г	Г		Г			
Morino Associates Inc.	•					*					•	•	•	•
Multinational Computer Models Inc.	•	•	*	•	•	•	•	•	•	•	•	•	•	
Multiplications, Inc	•	*								Г				
Muse Software	•	•	•	•	•	*	•	•	•	•	•	•	•	•
Mylee Digital Sciences, Inc.					*									
NCA Corporation	•										•			
NCR Data Services	•										•	•	•	•
NSA, Inc.	•		*											
National Bancard Corporation	•													
National Check Records Corp.	•	•	*	•	•	•	•	•	•	•				
National Computer Analysts Inc.		Г	•				L							
National Computer Systems, Inc.				*										

GEOGRAPHIC MARKETS				1	T			Т						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
National Data Communications		$\vdash$			Т			*		Г	$\vdash$			Г
National Data Corporation		т				*		1	1	$\vdash$				Н
National Datacentre Corp.		$\vdash$	1	$\vdash$	$\vdash$	-		$\vdash$			•	*	_	Н
National Economic Research Associates, Inc.			*			1					•			
National Evaluation Systems, Inc		*				•	•			•	•	•	•	4
National Information Systems, Inc.								1		•	•		Ė	•
National Planning Data Corp	•	Т	*	Т				-						Г
National Systems, Inc			$\vdash$	*				_		_	•	-	•	Г
National Training Systems								$\vdash$		•	•		•	•
Nelson & Bauman, Inc											•	_		1
Neodata Services		Т					_		*		•		•	Г
Neshaminy Valley Information Processing Inc. (NVIP)			*											Г
Network Consultants, Inc.		П		*										Г
Network Data Processing Corporation	•				*						•			Т
New Systems Inc	•									•	•	•	•	•
Nichols & Company Inc.	•									•	•	•	•	•
Nicolet Cad Corporation	•									•	•	•	•	•
Nielsen, A.C. Company	•										•			Г
Nixdorf Computer Software Co.						*								
Nordata, Inc.	•		*											Γ
Northeast Data Systems Inc	•	*	•	•	•	•	•	•		•				
Northeastern Computer Service Inc.	•		*											
Northern Numbers, Inc.					*						•			•
Northwest Analytical Inc.	•									•	•	•	•	
Northwest Computer Services, Inc.				*										
Northwest Management Services, Inc.	•									•				
Norwest Financial, Inc.					*									
Novva Computer System, Inc.										•				_
Numerax, Inc.	•		*	•		•				•				L
Numeridex, Inc.		•	•	*						•	•	•	•	_
OAO	•					*								
OR/MS Dialogue, Inc.	•		*		_			_						_
Oasys, Inc. (Office Automation Systems)		*	•	•										_
Occidental Computer Systems, Inc.		-					_	_		•				_
Occupational Computing Company, Inc.	•		-							•				
Occupational Health Services Inc.			*											

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
IVAIVAL	$\vdash$	_			_									
Office Services Inc. (OSI)	•		_	_	_	•	<u> </u>	*	_		•	*		H
Officesmiths, Inc.	•	_	_	<u> </u>	-	-	<u> </u>	-		_	-	*		$\vdash$
Offutt Publishing	•		-		-	*						-		-
Ohio Valley Data Control, Inc.	•	_	_	*	-	•	_	-	_		-	<u> </u>	_	H
Olson Research	•		_		-	*		-	-		-		-	-
Omega Microware, Inc.		_		*	-	_	_	-	<u> </u>		<u> </u>	H	-	_
Omni-American	•	•	•	•	-	*	_	•	•	•	Ļ	_	_	-
On-Line Accounting Systems Inc.	•	•	•	•	•	•	•	•	•	•	•	_	<u> </u>	_
On-Line Business Systems Inc.				L	_		_	•	•	•	_	_		_
On-Line Computer Systems, Inc.	•	L			_		_	╙	_	•	_	_	_	<u> </u>
On-Line Software International	•	L	*		_		_	L	<u> </u>		•	_		_
Online Computer Library Center Inc. (OCLC)	•	L	_	L	<u></u>		_		_		L			_
Open Systems, Inc.	•				_	L			_		•	•	•	•
OPOC Computing Inc.	•		*		_		L					_		_
Oracle Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	
ORBIS Inc.	•	*									L	L		
Oregon Software, Inc.	•	•	•	•	•			L		•	•	•	•	
Organizational Change Corp.		*	•	•	•	•	•	•	•	•			L	
Orr, Stewart P. & Associates	•	Г	Ι							•	•	•		
Oxford Software Corporation	•	Г	*		Г	l					•	•	•	
P-Stat, Inc.		Г	*		Г						•	•	•	
PBM Systems Inc		Г	Г			Г		П						
PBS Computing			•		*	•	•	•		Π		Г		
PCS Data Processing Inc.		•	*		•	•			П			Г	Π	
PDA Incorporated			•	•	*				•	•				
PDPS Computer Services			Г		Г				*	•	Г	Г		Г
PSA, Inc		•	•		•	*			•	•	•			
PSI Energy Software	•										•	Γ		
PSI-MED Corporation														
Pacesetter Systems, Inc.								*				Γ		Т
Pacific Computer Systems			•			•	•			*				Г
Pacific Data Systems										*		Γ		T
Pacific Sierra Research			•							•				
Pactel Inc			*	T		1								
Pallm, Inc.		•		*	•			•		•	•			
Pan American Systems Corporation						*			Т	1			T	
Pansophic Systems, Inc.								Т					•	

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS	T													
COMPANY	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	ST NORTH CENTRAL	TH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	IFIC	TOTAL INTL	ADA	EUROPE	OTHER
NAME	101	NE	MI	EAS	WE	SOL	EAS	WE	MO	PAC	TOI	CAN	EUF	OTF
PAR Technology Corporation	•		*			•			•	•				
Para Data, Inc.	•	•	•	•	•	•	•		-	•		-	•	-
Para Research	•	*					-			_	Ť	-	Ť	
Parallax Systems	•		*								•			
Pattern Systems of NJ, Inc.	•		*								•	-		
Patton Consultants, Inc.	•		*								•	•	•	
Pay-Fone Systems, Inc.	•			•						•	Ť			-
Paychex Inc.	•	$\vdash$	*	_					-	-	$\vdash$			
Payday, The Payroll Co., Inc. The Payroll Co,Inc	•	-	-					-		*	-	Н		_
Payne, Bruce Consultants Inc.			*				-		-	_	•			_
Paynter, E. F. & Associates		$\vdash$	<del>-</del>		-			-		-	•			_
Peachtree Software Inc.	•	$\vdash$	-			*	-	Н		-	•			-
Pearl Data Systems			*		-	,.	-		-	-	_			_
Pearlsoft	•		-			-		-		-	•	•	•	
Peat, Marwick, Mitchell & Co.	•									-	-	Ť	-	_
Pegasus Systems, Inc. Incorporated	•					_	*	*		-		-		-
Pentamation Enterprises Inc.	•		*		_		-		$\dashv$	-	-	-		
Perception Technology Corp	•	*											$\dashv$	
Perfect Software, Inc.										•	•	•	•	•
Performance Systems, Inc.	•				$\dashv$	*				Ť		_	•	Ť
Personal Computer Management Corp	•				$\dashv$		$\dashv$			•	Ť		-	_
Personnel Data Systems, Inc.	•		*		$\neg$	-				-	•	•		
Personnelmetrics, Inc.	•		*		$\dashv$						Ť	ŭ	$\dashv$	-
Petroleum Data Corporation	•	•	*	•			•	•	-	•	-			-
Petroleum Software, Inc.	•	_	•	-	_		-	*	•	-	-		-	-
Pharmaceutical Card Systems, Inc.	•		Ť		-			~	*	-	•		-	
Pharmacon	•	Н			-	$\dashv$	-		_		•			-
Phase 3	•	*	•	•	•	•	•	•	•	•	Ť			-
Phoenix Data Processing	•									-	•	•		
Photo Data Inc.	Ť				-	*						-		-
Physicians Practice Management Inc	•			*										
Pinkerton Computer Consultants	•		*											
Pioneer Software, Inc	•			*							•	•		
Planmetrics Inc.	•	•	•	•	•	•	•	•	•	•	•	•	-	•
Planning & Control Inc.	•		*									-		
Planning Research Corporation	•					*			-		•		-	

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				RAL	RAL		RAL	RAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENT	MOUNTAIN	PACIFIC	TOTAL INTL	CANADA	EUROPE	OTHER
	-	_	*				H	_	_			Н	_	$\dashv$
Players Computer	•	-	_	*				-	H	-	H	Н		$\vdash$
Plus Computer Technology	-	-		-		-		-		•				
Point 4 Data Corp. Police Data Systems	•	-		-		-		-		•				$\vdash$
Police Data Systems Policy Management Systems (PMS)	-	-		-		*				-	•			
Poorman-Douglas Corporation	•		$\vdash$			<u> </u>		-	$\vdash$	*	Ť	-		
Precision Visuals, Inc.	•				$\vdash$			-		-	•			
Prestige Software Analysts, Inc		-	*											
Princeton Software Co, The	Н	-	*	_			1			$\vdash$	_		_	
Processing Management Systems (PMS)	•	•	•		•	•	•	•	*	•				П
Prodigy Systems Inc.		÷	*	F	Ť	Ė	-			m				П
Product Group, Inc.	•	$\vdash$	*				$\vdash$		$\vdash$	$\vdash$	•			•
Productive Computer Systems		$\vdash$					$\vdash$	1	$\vdash$	$\vdash$	Г			
Professional Computer Resources, Inc.	•	$\vdash$		*							•	•		
Professional Computer Services	•			$\vdash$			$\vdash$			•	•			•
Professional Data Corp.	•	*		_						Т	•	•	•	
Professional Data Systems	•	*						T		T				
Profimatics Inc.	•			$\vdash$				Т		•	•		•	•
Profit Control Systems			*	$\vdash$	$\vdash$		$\vdash$	1			Т	Г		
Profitool, Inc.	•	$\vdash$		T	1		$\vdash$		*					
Program Design Inc.	•	*		_						-	•	•	•	•
Program Systems, Inc	•				Т	$\vdash$	*	Т	T	Т				
Programs & Analysis, Inc.		*									Г	Г		
Project Software & Development, Inc.	•	•	•	•	•	•	•	•		•	•	•	•	•
Proprietary Computer Systems, Inc.	•					Г			Г	•				
Proprietary Software Systems, Inc.	•	Π					Г			•	•		•	
Proximity Devices Corporation						*								
Pryor Corporation				*	•									
Psych Systems, Inc	•					*								
Pulsar Systems Inc	•													
Q.S., Incorporated	•					*								
Quadra Systems	•							*						
Quadrex Corporation	•										•			
Quadstar Corporation	•	•	•					•		L	•			•
QuanTeckna Research Corp	•									•	•	•	•	
Quantitative Software Management, Inc.				-		*					_			
Quark Engineering	1	1	1	1	1			1	*	1	1	1		

<sup>★ =</sup> Headquarters

	_		_	_		_			_	_	_	_		
GEOGRAPHIC MARKETS														
				-	7			=						
			100	EAST NORTH CENTRAL	WEST NORTH CENTRAL		EAST SOUTH CENTRAL	WEST SOUTH CENTRAL						
			MIDDLE ATLANTIC	Z	ä	SOUTH ATLANTIC	Z	Z						
		19	AN	S	10	Z	S	0						
		NEW ENGLAND	뒫	E	Ė	Ľ	E	Ē	z		12			
COLEDIANI	TOTAL U.S.	12	EA	O.S.	Ş	ΑT	13	ğ	MOUNTAIN	r)	TOTAL INTL	4	(2)	
COMPANY NAME	A.	E	급		Ē	Ξ	S	E	Ξ	Ĕ	1	18	O	ER
NAME	15	3		AS	ES	30	AS	ES	ŏ	PACIFIC	15	CANADA	EUROPE	OTHER
	+	Z	2	ഥ.	=	Q.	国	5	Σ	P.	_	C		0
Quest, Inc.	•		_								•			
Quic-N-Easi Products, Inc.	•	_	*			_					•	•	•	
Quotron Systems Inc. R.A.I.R.	•	_	_	_			_			•	•	_		L.
RKI Databank	•			_						•				_
RLG Corporation	•	$\vdash$	-			*			_	•				_
RMC Research	-	-	-			*	-			_	•	_	•	_
ROH	•	-	H	-	_	*			_	•	Н		-	_
ROI Consulting Inc.	•			•	•	•	•	•	•	-	Н		-	_
RTC Systems, Inc	Ť	*	Ť	H	-	_	Ť		-	_	Н		$\dashv$	-
RTR Software	•	Ê		-				*	-		Н			
RWB Associates	•					_				0	Н			_
Racal-Redac, Inc.	•	*									П			
Rand Information Systems, Inc.	•									•	•	•	•	•
Rand Systems Corp				•										
Rand Travel Agency Services										•				
Randolph Technical Services, Inc.	•	*												
Rath & Strong Systems Products, Inc	•							*			•		•	
Raven Systems and Research, Inc.	•					*								
Reader's Digest Services	Ш		•											
Real Estate Data	•				_	*	$\Box$	_	_	_				
Real Time Services	•	_	_	*	_						_		_	_
Reality Software Company Realtron Corporation	뭐		_		_	_	_		-	•	•	•	•	•
REAP Inc.	H	*	-	*	-	$\dashv$	-		$\dashv$	•		-	-	_
Redshaw Inc.	8	*	*	-	-	-	-		$\dashv$	$\dashv$		•	-	
Rehab Group Inc.	H		×	$\dashv$	$\dashv$	*	-	-	$\dashv$	-	Н	-	-	_
Relational Database Systems, Inc	-			$\dashv$	-	-	$\dashv$	-	$\dashv$	•	•	•	•	
Relational Technology, Inc.		•	•	•	•	•	•	•		•	•	•	-	-
Remote Computing Corporation	•	_	•			•	-		•	•				-
Rendeck Corporation	•	*									•	•	-	-
Republic Airlines, Inc					•									
Republic Management Systems	•		*											
Republic Service Bureau Inc	•	•								•				
Republic Technology Corp Systems Division	•			*							•			•
Response of Hawaii, Inc.	•									*				
Reuters North America			*											

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS					,									
				Z.	RAI		N.	RAI						
COMPANY	FOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	CIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
NAME	TO	Z	Z	EA	WE	SO	EA	WE	MC	PA	TO	CA	EU	OT
Reveal Software, Inc			•			Г								
Revere Technology							*	П			•	•		
Reynolds & Reynolds Company, The	$\top$			*										
Rhintek, Inc.	•					*								
Rockford Research Inc		•												$\sqcap$
Ross Systems Inc.										•	•	Г	•	•
Rothenberg Information Systems Inc.	•				Г					•				
Ryan-McFarland Corp.		Г	П							•				
S & H Computer Systems Inc							*				•	•	•	•
S.D.I.	•	Г								•	•			
S-Cubed		•	•	•	•	•	•	•	•	•	•			
SAS Institute, Inc.	•	•	•	•	•	*	•	•	•	•	•	•	•	•
SBD Computer Services						*								
SD Transport Services, Inc		Π	Г	Π	•									
SDK Medical Computer Services Corporation	•	*	•											
SEI Corporation		•	*	•				•			•		_	
SEI Information Technology	•			*							•		•	•
SESA-Honeywell Communication, Inc.					L	*								
SIS Company		•	*	•	•	•	•	•	•	•				
SJV Data Service Inc.														
SMC Software Systems			*								•	•	•	•
SRS Programming Reserve Inc.			*											
STS, Inc.														
STSC, Inc.		•	•	•		*		•	•	•	•			
Sachs/Freeman Associates Inc.	•		L	L		*					•			Ш
Saddlebrook Corporation	•	*		┖				┖					L	Ш
SAFECO Title Insurance		•	•	•	•	•	•	•	•	•				
Safecom Inc.	•						-			•	•	_		
Safeguard Business Systems, Inc.			*	_	_	_			_	_	•			Ш
Sage Data Inc.	•		*					1_			•	•	-	
Sage Systems Inc.	•		_	_	-	_			-	-	•	•	•	•
Satellite Computing, Inc.	•					*	-	-	-		_		-	
Satellite Software International(SSI)	•	*			-	-	-			-	•	-	•	•
Saturn Software Inc.		-	-	_	-		-	-	-	-				$\vdash$
Saztec		•	•	•	•	•	•	•	•	•	_	-		
Scheduling Corporation of America		•	•	*	•	•	•	•	•	•	•	•	-	$\vdash$
Schulstad, Myers & Associates Inc							*	1		1				

<sup>★ =</sup> Headquarters

Science Applications, Inc.  Science Dynamics Corporation  Science Management Corporation  Scientific Calculations  **  Scientific Calculations  **  Scientific Computers Inc.  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software-Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Software Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientific Intercomp (SSI)  Scientifi	GEOGRAPHIC MARKETS				tAL.	RAL		AL	SAL						
Science Dynamics Corporation	COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTR	WEST NORTH CENT	SOUTH ATLANTIC	EAST SOUTH CENTR	WEST SOUTH CENTI	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Science Management Corporation	Science Applications, Inc.	•									•				
Science Management Corporation	Science Dynamics Corporation				Т						•				-
Scientific Computers Inc.	Science Management Corporation			*								•			
Scientific Information Retrieval, Inc.	Scientific Calculations		*												
Scientific Software-Intercomp (SSI)	Scientific Computers Inc.	•				*									
Securities Data   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities   Securities	Scientific Information Retrieval, Inc.				*							•			
Securities Industry Automation Corporation	Scientific Software-Intercomp (SSI)	•									•	•			
Sedalia Computer Services, Inc.	Securities Data	•	•	*	•	•	•	•	•	•	•	•		•	
Sedlak, J.P. Associates	Securities Industry Automation Corporation	•		*											
Seiscom Delta, Inc.	Sedalia Computer Services, Inc.					*									
Seisdata Services, Inc Seismograph Service Corp. Seismograph Service Corp. Selva Systems Inc. Sentinel Computer Sentry Data Inc Seron Corporation Service Software Inc. Seron Corporation Service Software Inc. Shaker Computer and Management Services Shaker Computer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Shaker Somputer and Management Services Sharp L.P. Associates Sharp L.P. Associates Sharp L.P. Associates Shirdly Software Systems Shirdly Software Systems Shirdly Software Systems Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signal Technology, Inc Signa	Sedlak, J.P. Associates	•		*											
Seismograph Service Corp.  Selva Systems Inc.  **  Sentinel Computer  Sentry Data Inc  Sercon Corporation  Seren Corporation  Seren Corporation  Service Software Inc.  Shaker Computer and Management Services  Shales & Young Information Systems, Inc  Shales & Young Information Systems, Inc  Shared Medical Systems Corporation  Shared Medical Systems Corporation  Shared Nedical Systems Services, Inc.  Shared Nedical Systems Services, Inc.  Shared Nedical Systems Services, Inc.  Shared Nedical Systems Services, Inc.  Shirley Software Systems  Shirley Software Systems  Shirley Software Systems  Shirver, R., Associates  Sierra On-Linc, Inc.  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Software, Inc  Sigma Soft Inc  Sistems Inc.  Simple Soft Inc  Sistems Inc.  Small Business Data Processing Corporation	Seiscom Delta, Inc.	•							*						
Selva Systems Inc.	Seisdata Services, Inc	•						•	*	•	•				
Sentine   Computer		•							*			•			
Sentry Data Inc   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seroon Corporation   Seron Corporation   Seroon Corporation   Seroon Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Corporation   Shared Medical Systems Inc   Sile			*												
Sercon Corporation	Sentinel Computer	•	•	•	*	•	•	•	•	•	•	•	•	•	•
SERENA Consulting		_			*										
Service Software Inc.												•		•	•
Shaker Computer and Management Services       ●       ★       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■       ■ <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>•</td> <td></td> <td>•</td> <td>•</td>		_									•	•		•	•
Shales & Young Information Systems, Inc		•		*											
Shared Medical Systems Corporation		0		*											
Sharp, I.P. Associates Ltd		-													
Shaw Data Services, Inc.		_		*											
Shirley Software Systems												•	*		
Shriver, R., Associates		0	•	*	•	•	•	•	•	•					
Sierra On-Line, Inc.		_	_								•			•	•
Sigma Software, Inc       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		_											-		
Signal Technology, Inc		-	•	•	•	•	•	•	•	•	•	-	•	•	•
Silicon Valley Systems Inc.       ●       Image: Composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the compositi		_	_									_			_
Simcon Inc.         ●         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■ <t< td=""><td></td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>-</td><td>•</td><td>-</td><td></td><td>•</td></t<>		•	•	•	•	•	•	•	•	•	-	•	-		•
SIMPLAN Systems Inc (SSI)         ★         ●           Simple Soft Inc         ●         ★           Sistemas Inc.         ●         ★           Small Business Data Processing Corporation         ●         ★											•				
Simple Soft Inc  Sistemas Inc.  Small Business Data Processing Corporation		_													
Sistemas Inc.    Small Business Data Processing Corporation    *							*					_			_
Small Business Data Processing Corporation		_			•			_			_		•	•	•
							*								
	Small Business Data Processing Corporation Small Business Mangagement Systems Inc	•		*								•		•	_

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				,	r			ר						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Small Business Systems Group	1.	*			-			-			•	•		•
Smart, Inc		*				_								
SMITES Group	•	•	•	*	•	•	•	•		•				
Smith, A.O. Data Systems Division	•	ŕ		*	-			Ė			-			
Smith, Dennis & Gaylord	•									•	•		•	
Smyth Business Systems														
Soft Pro Systems, Inc	1	Т								•				
SoftCorp International, Inc		Н									•	•	•	
SofTech Microsystems Inc		_							$\vdash$		•		•	•
SofTech, Inc.		*												
Softlink	•		_							•				
Softmatics Corporation	+	•												
Softsel Computer Products, Inc		Г								•				
Software Ag of North America, Inc.					-	*					•			
Software Alliance		•	•	•	•	•	•	•	•	•				
Software Alternatives		•	•	*	•	•	•	•	•	•	•			•
Software Arts Inc		*												
Software Authority, The		•	•	•	•	•	•	•	•	•				
Software Clearing House, The				*							•	•	•	•
Software Connections, Inc										•	•			
Software Design Associates, Inc.											•			
Software Development and Maintenance, Inc.						*								
Software Info Services Inc	$\top$	Г								•				
Software Maintenance and Development Systems, Inc.		*									•			
Software Publishing Corporation										•	•	•	•	•
Software Pursuits, Inc.	•										•			
Software Research Corp.	•	*												
Software Services Of America Inc.	•	*												
Software Shop Systems, Inc.						*								
Software Solutions Inc.	•			*										
Software Systems Associates		•	•	•	•	*	•	•	•	•				
Software 1040														
Solo Systems		•	•	•	•	•	•	•	•	•				
Sophisticated Data Research, Inc.	•					*								
Sorcim Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	
Sorites, Inc.		•	•	•	•	*	•	•	•	•		•	•	•

<sup>★ =</sup> Headquarters

SOTA Computer Systems

		Т									_	_		
GEOGRAPHI MARKETS	С			SAL	RAL		SAL	RAL						
	.S.	GLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	AIN		NT'L			
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE	EAST NC	WEST N	SOUTH/	EAST SO	WEST SC	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Source Data, Inc		$\vdash$	$\top$	Т		*								_
Source-2		•			•	•	•	•	•	•		-	_	_
South Hills Computer Center Inc.		Ť	*			_								
Southern Computer Systems, Inc.						*								
Southwest Modular Systems, Inc.								*						
Specialty Computer Services Inc.					*		-				•			
Spectron Corporation			Т					*						_
Spectrum International Inc.		Т	Т							•	•	•	•	•
Sperry Corporation Computer Systems		Т	*	$\vdash$	$\overline{}$						•			
Spinnaker Software Corporation		*	•	•	•	•	•	•	•	•	•	•	•	•
Spiridellis & Associates, Inc.			*			Г		•						
Squire, Buresh Associates Inc		*												
St. Joseph Systems														_
Standard & Poor's Compustat Services Inc.		Т							*			_		_
Stanford Engineering Corp.			Г							•				
Star Software		Г	Т							•				
State of the Art Inc	•		Г							•	•	•	•	
State Space Systems Inc.	•	Г								•	•			
Statistical Financial Systems		Г	Г	*										
Statistical Graphics Corp.		Г	*								•	•	•	
Statistical Tabulating Corporation		Г												Т
Stephens-Nelson Computer Center						-				•				
Sterling Software Marketing										•	•		•	
Sterling Software, Inc.		Г						*						
Sterling Systems			Г			*								П
Stockholder Systems Inc.		Т												
Strategic Information		*									•	•	•	•
Structural Members Users Group											•	•		
Structured Methods, Inc.			*											
Summagraphics Corporation		*												
Superset Inc.	•									•				
Survey Tabulation Services Inc.		*												
Sycom				*										
Sydney Development Corporation											•	*		
Syncsort Inc.			*								•			
Synercom Technology, Inc.		•	•	•	•	•	•	•	•	•	•			
Syscom, Inc.			1											

### CAMP GEOGRAPHIC INDEX

		_	_	_	_				_					
GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
SYSCON Corporation	١.	•	$\vdash$	-		*				•	Н			
Systech Inc.	•	۳	+-	*	-	Ĥ	-	-		Ŭ	•	•		
System Automation Corporation	-	$\vdash$	+-	<u> </u>		-	-	$\vdash$	+	-	ř	۳	-	-
System Communication Corp	-	$\vdash$	+	-		-		*	-		-	_	_	
System Development Corporation	-	•	•		•	•			•	•	•	-	•	⊢
	-	-	-	*	-	-	-	-	-	-	•	$\vdash$	-	-
System Support Software, Inc.	_				-	-	⊢	*	•	•	-	-		
Systematics, Inc.	•	•	-	-	-	-	┼	*	•	•	-	-		⊢
Systemation, Inc.	•	-	-	*	-	-	-	-	-	-	-	-	-	Ļ
Systemhouse Ltd.	•	Ļ.	-	-	-	-	├	-		Ļ	•	*	_	•
Systemhouse, Inc.	•	•	-	•	-	•	-	-	-	•	Ļ	L	_	-
Systems & Computer Technology Corporation	•	_	1	-	-	-	-	-	-	_	•	<u> </u>	_	•
Systems and Applied Sciences Corporation	•	_	-	-	-	*	-	-	<u> </u>	_	•	L		
Systems and Information Dynamics Inc.	•	•	*	•	•	•	•	•	•	•	•	•	_	-
Systems and Programming Resources Inc.		L	_	*	_	_	_	_	L	_		_	_	_
Systems and Software Inc.	•				L	_	_	<u> </u>	_	_	•	_		•
Systems Architects Inc.	•	*					_	_				_	_	
Systems Associates Inc. (SAI)	•				_	*	_	_				_		
Systems Center, Inc., The	•	┖						*	_					
Systems Control, Inc.	•		L			•		L		•	•	_		
Systems Coordination Inc	•					*					_			
Systems Data Inc.	•			*										L
Systems Data Processing Corporation										•				
Systems Design & Development Corporation	•								*					
Systems Engineering Computer Co.						*								
Systems Management Inc.				*						•	•			
Systems Plus Inc		•	•	•		•		•	•	•	•	•	•	•
Systems Research Laboratories				*							•			
Systems Specialists, The							*							
Systonetics, Inc.		П		Π			Г			•				
T & B Computing Inc.	•	•	•	*		•	•	•	•	•	•	•	•	
TCS Software Inc	•										•	•	•	•
TEC	•	*												
TLS Company					*									
TMI Systems Corporation	•	*	•		•					•	•		•	•
TOM (The Office Manager, Inc.)	•	•	•	•	•	•	•	•		•	•	•	•	•
TRW Information Services	•									•				
Tabershaw Occupational Medicine Association		•			•	•	•	•	•	•	•	•		

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Tag Inc.										•	•			
Tailored Data, Inc	•	$\vdash$			*		-			Ė	-			
Talisman Security Systems, Inc		_	$\vdash$							•				
Tandem Computers Inc	•						-			•	•			
Tandy Corporation					_			*			•			
Technalysis Corporation	•	-			*	_				$\vdash$	•			
Technical Analysis Corporation (TAC)						*	_			_	Ė			
Technical Support Associates Inc.		•	•	•	•				•	•				
Technical Systems Consultants Inc. (TSC)		Ė	Ė	Ė	-	*	-	<u> </u>	-	Ė	•			
Technicon Data Systems Corporation		$\vdash$				-					Ė			
Technology Development of California	•					-		-		•			_	-
Tekkon Computer Services	•	$\vdash$	*		_	-	-		_	Ť				_
Teknekron Financial Systems		•		•	•		•	•	•	•	Н			
Teldata Systems Corporation	-	Ť	*	Ť	Ť	Ť	Ť	Ť	-	Ť	Н			
Telecredit, Inc.							-					-		
Telerate, Inc.	-	$\vdash$	*					$\vdash$		Ė	•	•	•	
Telesis Corp		*			•			•	•		•	•	•	Ť
Telesoft		•			•				Ť	•	•	Ť	Ĭ	$\vdash$
Telos Corporation		•		•	•	•		•	•		Ť			
Temple, Barker & Sloane, Inc (TBS)		*	Ť	Ť	-	Ť	Ť	-	_	Ť	•	•	•	
TERA Corporation	•	Ĥ	-	$\vdash$	-	-	-	-	-	•	•		Ť	Ť
Terrano & Associates, Inc	•	$\vdash$	$\vdash$		-		$\vdash$	-	-	Ť	ř	-		
Tesseract Corporation	•	$\vdash$	$\vdash$	•		•		$\vdash$	-	•	$\vdash$	-		-
Texas Instruments Inc.	•	-	$\vdash$	-		Ť	$\vdash$	*	-	Ť	•			-
Thomas National Group, The	•		*	-				Ĥ	$\vdash$	-	-	-		-
Thomas, Laguban & Associates	•	-	<del> </del> ^	-				$\vdash$		$\vdash$	•	•		
Three PM Inc. (3 PM)				*							Ť			Ť
Ticketron, Inc.	-	•			•		•		•	•	•	•		
Timberline Systems	•	-	<u> </u>	-	-	-		-	-	•	-	-		-
Time Sharing Resources Inc.	-		*	-			-	-	-	-				-
Time-Sharing Systems Inc.	•		1	*	-	-	-	-				-		
Tiny Systems Inc.				Ť.				*				_		
Tominy, Inc.				*				1		-				-
		1	-	-	-	-		-	_	_	_	_	-	-
Tone Software Corporation														1.0
Tone Software Corporation Total Environmental Systems Computer Division	•	•	•	*	•	•	•	•	•	•	•	-	•	•
Tone Software Corporation Total Environmental Systems Computer Division Touche Ross & Company	•	•	•	*	•	•	•	•	•	•	_		•	•

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Tower Systems, Inc.	•									•	•	•	•	•
Trac Line Computer Corp	•		*	-	-	-	-			•	•	•	_	Ť
Traffic Data Systems, Inc. (TDS, Inc.)	•	*	•	•	•					•	Ť	Ť		
Trail Blazer Systems Inc.	•	_		Ť	-		1		+	•			-	
Trans Micro Systems Inc.	•				-				-	-	•	-	•	•
Trans Union Corporation				$\vdash$	$\vdash$	-		$\vdash$			•	•	Ť	-
Transcomm Data Systems, Inc.	•		*	_			1	$\vdash$				•		•
Transportation Concepts and Services			*	•	•	•					F	Ť	-	H
Transportation Data Management	-	•	•	*	•	•	•	•	•	•	-	-		Н
TRES Computer Systems, Inc.		Ť	Ť		-	Ť	Ť	-	-	Ť	•	•	-	•
Tri-Star Data Systems	•	$\vdash$	*	_	_	-	-	-	-	-	-	Ť	-	-
Triad Systems Corporation	-	•		•				•		•		$\vdash$	-	-
Triangle Software Company	•	۲	Ť	Ť	-	Ť	Ť	Ť	-	•	•	•	•	Н
Tricad	•	-	-	-	_	$\vdash$	-				Ť	Ť	_	Н
Trionic International, Inc	+-	•	$\vdash$	-	-		$\vdash$	_		Ť	Н	Н		Н
TronCorp	•	ř	$\vdash$	_	*		-	-	-	$\vdash$		•	•	-
Tudor Systems	•	•	•		•	*		•			Ť	ř	Ť	
Turnkey Information Processing Inc		Ť	*	-	-	-	-	Ť	-	-		-	_	Н
Tymlabs Corporation		$\vdash$	-		_	$\vdash$	_	*	-			•	•	7
Tymshare, Inc.	•	$\vdash$					$\vdash$	-	-	•	•	Ė	Ť	
U.S. Software		$\vdash$					-		-	•	•	_		_
Ulrich, Walter E. Consulting	•	$\vdash$					-	*		Ť	Ť	_		
Ultradata Corporation	1	Н					$\vdash$		-		Н	_		Н
UNI-COLL Corporation	•	Н	*				$\vdash$	•	_	•		-		-
Unicale Corporation		Н	*			-	-	-		Ť	•	$\vdash$		Н
United Computer Service, Inc.	•	Н	-	*	-		-	$\vdash$			Ť	$\vdash$		Н
United Education & Software Data Systems Group	1	Н	$\vdash$		-	$\vdash$				•	•		-	Н
United Information Services Inc	•	•	•	•	•	•	•	•	•	•	•	•	•	
United Telecommunications, Inc	1				*	-				-	•	-		
Univair Inc.	•				*						•	•		
Universal Information Systems Inc.	•		*											
University Computing Company	•	•	•	•	•	•	•	*	•	•	•	•	•	
Urban Data Processing	•	*							_					
Urban Decision Systems Inc.	•					_				•				
Users, Inc.	•		*											
Uveon Computer Systems, Inc.	•								*		•	•	•	•
VLSI Technology, Inc.	•									•				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
VM Software, Inc											•	•	•	•
VSE Corporation						*				П				
Value Computing, Inc.		$\vdash$	*								•	•	•	•
Vantage Computer Systems, Inc.	•	*				•			•		•	•	•	•
VenturCom Inc.		*									•	•	•	•
Vertex Systems Inc.		Т	*											
Vetrol Data Systems Inc.		Т				*								
Vidmar, Stanley	•	$\vdash$	*											
Vining-Sparks Securities, Inc					•	•	*	•	•	•				
VisiCorp		$\vdash$								•	•			
Vista Concepts, Inc.			*				•	•	•	•				
Vital Computer Services International, Inc.			*											
Volt Delta Resources Inc.			*							•				
Wachovia Services Inc.						*								
Walker Interactive Products										•	•			
Waters Business Systems, Inc.		*												
Watts Computer Services Inc									*					
Wayne Computer Center Inc.						*								
Weidenhammer Systems Corp.														
Weidner Communications									*		•	•	•	
Wells Fargo & Company						_				•				
West Florida Data Processing		Н				*								
Western Data Corporation		1								•				
Western Geophysical Company of America											•		$\neg$	
Western Union Corporation		$\vdash$	*	Т								П		
Westinghouse Electronic Systems Division		$\vdash$						Т	_		•			
Westinghouse Information Services								$\vdash$			•			•
Whalen Computer Services, Inc.		$\vdash$	*				_			-				
White, Bob, Computing and Software Inc.											•			
White, Robert F. and Company				*										
Whiteside Associates, Inc.						*					•			
Whitesmiths, Ltd.			*								•			
Wismer Associates, Inc.										•				
Woodward, Ryan, Sharp and Davis			*	•			•	•	•		•	•		
Worlco Data Systems		•	*								•			
World Research Systems Ltd.											•			
World Wide Computer Services		Г	*											

		т-	_		_									
GEOGR MARI COMPANY NAME	APHIC KETS	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Worldwide Chain Store Systems	•	•	•	*	•	•	•	•	•	•	•	Г		
Worth, Auger & Associates		1	•					•		•				
Wyly Corporation		•	•	•	•	•	•	*	•	•	•			
Xerox Computer Services	•		•	•	•	•	•			*				
Xybion Corporation	•		*							•				
Xybion Medical Systems Corporation			*							•			•	
Yipkon Business Systems, Inc.	•		*								•		•	•
Zeiler-Pennock									*		•	•		
Zentec Corporation, Inc.										•	•			
Zeus Data Systems		•	•	•	•	•	•	•	•	•	•		•	
202 Data Systems, Inc.	•		*											
3M Datatrak Systems, Inc.		•	*	•	•	•	•	•	•	•				
		$\perp$										L		
		$\perp$									L	L		
													Ш.	
		_								_				
		_	_			_		_	_					
			_											
							_							
			L											
										_				Щ
		-												
		-												
		-												
		-	_			_								
		-				_								

<sup>★ =</sup> Headquarters

### A & H Income Tax Centers, Inc.

820 Hempstead Turnpike Franklin Square, NY 11010 (516)352-1333

Computer Services Offered: . Processing

#### A Data Services

See: Mountain States Computing

#### A Supplementary DP Service, Inc.

19 Westinghouse Plaza Bloomfield, NJ 07003 (201) 743-3164 Guido Tango, President

Computer Services Offered: . Processing

#### A. B. Dick Company

SUBSIDIARIES:

#### A. B. Dick Company Business Systems

55 William St Wellesley, MA 02181 (617)431-1300

Computer Services Offered: . Processing

#### A. B. Dick Company Business Systems See: A. B. Dick Company

#### A.M.S. Consulting Limited

P.O. Box 828 Station B Ottawa, Ontario ON K1P5P (613) 238-4831 Michael McCracken, President

Computer Services Offered: • Software Products • Professional Services

#### A-Kwick Key Punch Inc.

4738 W. Peterson Chicago, IL 60646 (312) 736-2310

Lillian Griggs, President

Computer Services Offered: . Processing

#### A-T-O Inc.

SUBSIDIARIES:

#### A-T-O Systems Management Group Inc.

4420 Sherwin Road Willoughby, OH 44094 (216) 946-1151 Joseph V. Guida, President

### A-T-O Systems Management Group Inc.

See: A-T-O Inc.

#### AAA Technology and Specialties Company

P.O. Box 37189 Houston, TX 77036 (713) 789-6200 Reid T. McNally Jr., President

Computer Services Offered: • Software Products • Professional Services

ABA Computer Corp.

### 14050 SW Pacific Hwy Tigard, OR 97223

(503) 642-5691

#### ABC Computers, Inc.

P.O. Box 7529 Tahoe City, CA 95730 (916) 583-5562 Edwin A. Kauppila, Chairman

Total Sales FYE 5/80: \$500,000 Est. Computer Services Offered: . Software Products . Turnkey Systems

#### ABC Management Systems

26502 Morena Dr Mission Viejo, CA 92691 (714) 768-1163 Vern Ruskin, President Private

#### Abt Associates Inc

55 Wheeler St Cambridge, MA 02138 (617)492-7100 Clark Abt, President

Total Sales FYE 3/81: \$28,461,855 Cptr. Svcs. Revs. FYE 3/81: \$1,400,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

#### SUBSIDIARIES:

## Abt Computer Graphics Corp

Cambridge, MA 02138 (617)661-2400 Jack F Fultz, President Computer Services Offered: • Processing • Software Products

#### DIVISIONS:

#### Abt Information Services

55 Wheeler St Cambridge, MA 02138 (617)492-7100 Computer Services Offered: • Processing

### Abt Microcomputer Software

55 Wheeler St Cambridge, MA 02138 (617)492-7100 Computer Services Offered: . Software Products

### Abt Computer Graphics Corp

See: Abt Associates Inc

### Directory of Computer Services Companies

### Abt Information Services

See: Aht Associates Inc.

Abt Microcomputer Software See: Abt Associates Inc.

ACA Computer Services, Inc. 119 Fifth Ave. Suite 201 New York, NY 10003

(212) 473-2040 Hugo W. Roberts, President

**ACS Data Services** 1940 Elm Hill Pike Nashville, TN 37201

(615)889-5830 William Gray, President

ACSC

3440 North Chicago, IL 60657 (312)280-6992 Jack Mooney, President

Computer Services Offered: • Software Products

ADM Interactive Systems, Inc. 8416 Whitefield

Dearborn Heights, MI 48127 (313) 277-2474 Donald Newby, President

Computer Services Offered: • Turnkey Systems

ADP Banking Services Division
See: Automatic Data Processing Inc.

ADP Brokerage Services Division See: Automatic Data Processing Inc.

ADP Collision Estimating Services Inc. See: Automatic Data Processing Inc.

ADP Commercial Services Division See: Automatic Data Processing Inc.

ADP Comtrend Division See: Automatic Data Processing Inc.

ADP Dealer Services Division See: Automatic Data Processing Inc.

ADP Electronic Financial Services

See: Automatic Data Processing Inc.

ADP International See: Automatic Data Processing Inc.

ADP Network Services Division See: Automatic Data Processing Inc.

ADP Pension Services Division See: Automatic Data Processing Inc.

ADP Telephone Computing Services See: Automatic Data Processing Inc.

ADP Thrift Services Division See: Automatic Data Processing Inc.

ADR Datacom Division See: Applied Data Research, Inc.

ADR International Corp. See: Applied Data Research, Inc.

ADR Services, Inc. See: Applied Data Research, Inc.

ADS Computing, Inc. P.O. Box 39 Newtonville, MA 02160 (617) 527-8090

AGMO Software See: Gurries and Okamoto, Inc.

AGS Computers Inc. 1135 Spruce Dr. Mountainside, NJ 07092 (201) 654-4321 Joseph Abrams, President

Public Total Sales FYE 12/81: \$38,773,000 Cptr. Svcs. Revs. FYE 12/81: \$25,701,000

Computer Services Offered: • Software Products • Professional Services

SUBSIDIARIES:

Atlantic Management Systems Lafayette Bldg., Suite 910 5th and Chestnut Sts. Philadelphia, PA 19106 (215) 922-7500

Richard W. Thatcher, Jr., President Computer Services Offered: • Software Products

890 Valley Forge Plaza King of Prussia, PA 19406 (215) 265-1550 E.J. Hipp, President Computer Services Offered: • Software Products • Professional Services

International Systems, Inc.

SUBSIDIARIES:

Automated Medical Associates, Inc. 890 Valley Forge Plaza King of Prussia, PA 19406 (215) 265-2911 James G. Walls, VP International Systems Inc. Computer Services Offered: • Turnkey Systems

#### PHD Systems for Computing Inc.

12 Lakeside Office Park
Wakefield, MA 01880
(617) 245-3013
Philip H. DePasquale, President
Computer Services Offered: • Software Products •
Professional Services

### AIS Corporation - Medical Management

150 N. Finley Ave. Bernards Professional Center Basking Ridge, NJ 07920 (201) 221-0900

Stephen Sullivan, President
Private
Computer Services Offered: Process

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### AM Computer Services Corp.

123-C Great Valley Parkway Malvern, PA 19355 (215) 648-0880

#### AM International, Inc.

DIVISIONS:

### AM Jacquard Systems

PO Box 6044 Inglewood, CA 20312 (213) 450-1242

### AM Jacquard Systems See: AM International, Inc.

AMI Systems Inc.

250 West 57th St New York, NY 10005 (212)581-8300 Irving Wachs, President Private Total Sales FYE 6/81: \$350,000 Est. Computer Services Offered: • Processing

### AMS Information Inc. See: Silton Data

## APL Data Systems

Arlington, TX 76013 (817)265-2132 Computer Services Offered: • Processing • Software Products

### APL Services Inc. Acquired/merged with: The Computer Company

APL Systems
190 West 800 North
Provo, UT \$4601
(801)375-000 Pa and General Manager
Private
Training Private St. \$1,500,000 Est
Tomputer Services Offered: \* Processing \* Software
Products \* Professional Services

#### AR Mediquest

2990 Lake Lansing Rd
East Lansing, MI 48823
(517)337-9494
Jean Johnstone, President
Computer Services Offered: • Software Products

## ARC Automation Group Inc. See: American Express Company

ARC Automation Services Inc.

### See: American Express Company

### ASA, Inc.

Boston, MA 02110 (617) 426-5690 Alfred Angelone, President Private Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### ASCC, Inc.

25954 Eden Landing Rd. Suite 102 Hayward, CA 94545 (415) 786-1889 Amy Cho, Presiden Private Computer Services Offered: • Processing • Software Products

#### ATA Coming In

ATA Services, Inc.

See: American Trucking Association Inc.

#### ATAC

444 Castro St, 6th Fl Mountain View, CA 94025 (415)965-8801 Banley Maletis, CEO Private Total Sales FYE 6/82: \$5,000,000 Est. Cptr. Sves. Revs. FYE 6/82: \$2,500,000 Est.

#### ATM/Network Management Corp

2901 Finley Rd.
Downers Grove, IL 60515
(312)932-9555
E.L. Smith, President
Trivate
Total Sales FYE 12/81: \$1,250,000
Computer Services Offered: • Processing • Turnkey

Computer Services Offered: • Professional Services

#### **AUI Data Graphics**

1701 K Street NW Third Floor
Washington, DC 20006
(202) 331-1800
Alan Pallear, President
Computer Services Offered: \* Software Products \*
Professional Services

### Directory of Computer Services Companies

#### AV Products, Inc.

237 Washington St. Marblehead, MA 01945 (617) 598-2716 Dan L. Sullivan, President

Total Sales FYE 12/80: \$600,000 Est. Computer Services Offered: • Software Products • Professional Services

AVP Systems 237 Washington St

Marblehead, MA 01945 (617)598-2716 Daniel L. Sullivan, President

Total Sales FYE 7/81: \$750,000 Est. Computer Services Offered: . Software Products

AW Consultants, Inc.
Woods Road and Rt. 38 Basco Building

Cherry Hill, NJ 08002 (609) 779-7200 Nick Ambrus, President

Private Total Sales FYE 6/80: \$1,500,000 Est. Computer Services Offered: . Turnkey Systems

A.C.T.S. Corporation 11910 Gate Way Austin, TX 78759

(512)258-7869 Computer Services Offered: • Software Products

#### Aarkus Stistsdogtrykkeri

SUBSIDIARIES:

Computer Composition International 16661 Ventura Blvd Ste 425

Encino, CA 91436 (213) 986-5552 Hans Bassoc, President
Total Sales FYE 7/80: \$3,000,000
Computer Services Offered: • Turnkey Systems

Abacus Programming Corporation 12301 Wilshire Blvd Ste 201 Los Angeles, CA 90025 (213) 820-6955 David Oppenheim, President

Private Total Sales FYE 1/82: \$9,000,000 Computer Services Offered: . Processing . Software Products . Professional Services . Turnkey Systems

Academic Financial Services Association

23800 Hawthorne Blvd. Torrance, CA 90505 (213) 373-8661 Richard Kipper, President Total Sales FYE 12/81: \$10,500,000 Est. Computer Services Offered: • Processing

Acc-U-Data

See: Computeristics, Inc.

Access Data Systems, Inc. See: Anacomp, Inc.

#### Access International, Inc.

208 Union Wharf Boston, MA 02109 (617) 367-3690 Mohamed Fottuhi, President

Total Sales FYE 3/81: \$4,000,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Access Technology, Inc.

6 Pleasant St South Natick, MA 01760 (617)431-1775 Computer Services Offered: • Software Products

Acco Industries 40 Bristol St.

Waterbury, CT 06708 (203)575-3000 Computer Services Offered: • Processing

#### Accountant's Microsystems, Inc.

1404 140th Place, N.E. Bellevue, WA 98005 (206) 643-2050 Private

Total Sales FYE 7/81: \$500,000 Est. Computer Services Offered: . Software Products . Turnkey Systems

#### Accountants Computer Network, Inc.

565 Brainard, Ste 102 La Grange, IL 60525 (312) 354-8988 Ken Kendricks, President Private

Total Sales FYE 12/80: \$250,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

#### Accountants Computer Resources Corp. (ACR)

3003 Central Ave N. Phoenix, AZ 85012 (602)274-2716 Computer Services Offered: • Processing • Software Products

#### Accountants Processing Center 2200 S. Brentwood Blvd.

St. Louis, MO 63144 (314) 968-3434 Palmer L. Conran, President Private

Accountants Tabulating Systems Acquired by: Sta-Fed Computer Services, Inc.

AccounTech Systems, Inc.

28104 Orchard Lake Rd, Ste 108 Farmington Hills, MI 48018 (313)626-0770 Agnes Kraus, President Private

Computer Services Offered: . Software Products

#### Accounting Corporation of America

1929 First Avenu San Diego, CA 92101 (714) 232-6823 Nat Colker, President

Private

Total Sales FYE 12/81: \$13,800,000 Computer Services Offered: • Processing

#### Accounting Data Service

511 Millburn Ave Shorthill, NJ 07078 (201) 467-0050 Herbert Sarwin, President

Total Sales FYE 12/81: \$550,000 Est.

Computer Services Offered: • Processing

# Accounting Datamation Inc. 1300 South State College Anaheim, CA 92805

John Weir, President

#### Accounting Systems Corporation

59 Schoolground Rd. Branford, CT 06405 (203) 481-4201 John W. O'Brien, President

Private

Total Sales FYE 11/80: \$1,200,000

Computer Services Offered: • Processing • Software

Products • Turnkey Systems

#### AccTex Information Systems

601 Montgomery St San Francisco, CA 94111 (415) 981-1920 Mason Grigsbey, Executive Vice President

Total Sales FYE 7/82: \$1,200,000 Est.

Computer Services Offered: . Processing . Turnkey

#### Accu Ray Corp. 650 Ackerman Rd

Columbus, OH 43221 (614)261-2000

Computer Services Offered: • Processing

#### Accumation, Inc.

See: Reynolds & Reynolds Company, The

Accurate Data Services Inc. 5040 W. Irving Park Chicago, IL 60641 (312) 777-1072

Robert Lee, President Computer Services Offered: • Processing • Professional

# Accurate Keypunch Service Inc. 10700 Caribbean Blvd. Miami, FL 33189 (305) 238-4525

### Accusoft Inc.

One California St. Suite 2230 San Francisco, CA 94111 (800)632-2131 Computer Services Offered: • Software Products

#### AccuSystems

302 5th Ave. New York, NY 10001 (212) 736-3680

Cynthia Mason, President Private

Total Sales FYE 10/79: \$600,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Accutab Data Processing Inc. 100 S. Wacker Drive

Chicago, IL 60606 (312) 641-5228 Bernadette Dovan, President

Computer Services Offered: . Processing

#### Ace Software Inc.

3945 Brookham Drive Grove City, OH 43123 (614) 875-4910 Michael Uhrin, President

#### ACES Software

1415 Slocum Suite 225 Dallas, TX 75207 (214)745-1468 Jon R. Moore, President Private

Total Sales FYE 6/81: \$400,000 Cptr. Svcs. Revs. FYE 6/81: \$380,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Acoma Computer Resources

50 Mariposa Ave W Phoenix, AZ 85013 (602)264-2289 Computer Services Offered: • Processing

#### Action Business Computing

See: Union Data Corporation

#### Action Computer Service

720 Old Willets Path Hauppauge, NY 11787 (516) 234-6321

#### Action Data Services

7822 Bonham Clayton, MO 63105 (314) 862-7700 Robert Kleinert, President Private

#### Actuarial Computer Technology Inc. 6410 Rockledge Dr.

Bethesda, MD 20034 (301) 530-4400 Maria R. Katz, President Private

#### SUBSIDIARIES:

Fulcrum Computer Group

5711 Six Forks Rd Raleigh, NC 27609 (919)848-0001 David Roger, President

Private Total Sales FYE 12/80: \$4,000,000

Computer Services Offered: • Processing • Turnkey

Ikonas Graphic Systems Inc

531 Pylon Dr Raleigh, NC 27606 (919) 833-5401

Computer Services Offered: • Turnkey Systems

Adams Minicomputer Systems Inc. See: Multicom

#### Adcon

SUBSIDIARIES:

Applied Design Company Inc.

2465 Sheridan Drive Tonawanda, NY 14150 (716) 837-4400 H. Eugene Johnson, President

Computer Services Offered: • Processing

Addison-Wesley Publishing Company.Inc

DIVISIONS:

Addison-Wesley Software Marketing

1 Jacob Way Reading, MA 01867 (617)944-3700

Computer Services Offered: • Software Products

Addison-Wesley Software Marketing See: Addison-Wesley Publishing Company, Inc.

Address Multigraph

Name changed to: AM International, Inc.

Adelie Corporation

840 Memorial Dr. Cambridge, MA 02139 (617) 661-8400 Paul Stager, President

Computer Services Offered: • Software Products

Adfomation Inc.

See: Shriver, R., Associates

Administrative Information System, Inc. 6921 Environ Blvd. Suite 1N Ft. Lauderdale, FL 33319 (305) 735-2880

Eric Dubins, President Private

Computer Services Offered: • Software Products • Professional Services

Admins, Inc.

675 Massachusetts Cambridge, MA 02138 (617) 661-3206 Dave Griffel, President

Computer Services Offered: • Software Products • Professional Services

ADPAC Corporation

120 Howard Street San Francisco, CA 94115 (415) 981-2710 Peter P. Harris, President

Private

Computer Services Offered: • Software Products • Professional Services

Advance Business Services

5908 Robertdale Rd. Bedford, OH 44146 (216) 232-465 Donald D. Webster, President

Computer Services Offered: • Processing

Advance Data

P.O. Box 733 Jonesboro, AR 72401 (501) 932-8341 Dale May, President

Computer Services Offered: • Processing

Advanced Applications Inc.

24 California San Francisco, CA 94101 (415) 397-7843

Charles A. Olson, President Computer Services Offered: . Software Products

Advanced Computer Techniques Corp. 437 Madison Avenue

New York, NY 10022 (212) 421-4688

Oscar Schachter, President Public

Total Sales FYE 12/81: \$16,000,000 Computer Services Offered: • Processing • Software Products . Professional Services

SUBSIDIARIES:

Creative Socio-Medics Corp (CSM)

437 Madison Ave New York, NY 10022 (212)593-2908

Computer Services Offered: . Software Products

Advanced Computer Management Corp. 3001 W. Big Beaver RD. Suite 402

Troy, MI 48084 (313)649-1800 Harve C. Light, President

Private Total Sales FYE 12/81; \$6,000,000

Computer Services Offered: • Professional Services

#### Advanced Cybernetic Inc.

4 Park Plaza, Park Rd. N Wyomissing, PA 19610 (215) 374-2207

Robert Frutchey, President Private

Computer Services Offered: • Processing • Professional Services

Advanced Data Group 20370 Town Center Lane, Suite 255

Cupertino, CA 95014 (408) 446-4346

Private

Computer Services Offered: 
Processing Software

Products Professional Services

Advanced Data Management

See: Aeronautical Research Associates of Princeton (ARAP)

Advanced Data Processing Inc.

146 Westcott Houston, TX 77007 (713)880-2300 George G. Stubblefield III, President

Private

Computer Services Offered: • Processing

Advanced Data Systems Inc.

4010 Long Beach Blvd. Long Beach, CA 90807 (213) 426-8155 Dennis L. Christy, President

Private
Total Sales FYE 12/81: \$2,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services

Advanced Digital Data, Inc.

254 Rt. 206 Flanders, NJ 07836

(201) 584-4026 Bruce Bott, President

Private

Computer Services Offered: • Professional Services •

Turnkey Systems

Advanced Information Systems

Advanced Legal Software 524 Cooke St

Honolulu, H1 96813 (808) 536-0831

Private
Total Sales FYE 7/82: \$1,000,000 Est.

Computer Services Offered: • Software Products

Advanced Management Applications

3855 N. 29th Ave, Suite 5
Phoenix, AZ 85017
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Advanced Management Technologies

P.O. Box 1597 Houston, TX 77001 (713)373-1905 W.G. Welter, President

Total Sales FYE 4/81: \$450,000 Est.

Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

Advanced Medical Systems

See: LHJ Systems, Inc.

Advanced Operating Systems

450 St John Rd Michigan City, IN 46360 (219)879-4693

Computer Services Offered: • Software Products

Advanced Software Products

100 E. Linton Blvd. Delray Beach, FL 33444 (305) 276-5080 Robert Lindsay, President

Private
Total Sales FYE 4/80: \$250,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Advanced Systems Applications

PO Box 385 Bloomington, 1L 60108 (312)893-9055 John W Blaney, President

Private
Total Sales FYE 12/81: \$7,700,000

Computer Services Offered: • Processing • Software

Products • Professional Services

Advanced Systems, Inc.
See: URS Corporation

Advanced Technologies Group

See: CAP Gemini Sogeti

Advanced Technology Inc.

SUBSIDIARIES:

Advanced Information Systems 1150 N. Federal Highway Suite 611

Ft. Lauderdale, FL 33304 (305) 462-2620 Computer Services Offered: • Professional Services

Advoom

See: Intelligent Computer Systems Inc.

Advent Online Knowledge, Inc

1305 Wiley Rd, Ste 133 Schamburg, IL 60195

(312)882-3388

Computer Services Offered: 

Software Products

### Directory of Computer Services Companies

#### Adventures in Computing, Inc.

PO Box 8890 Fountain Valley, CA 92708 (714)963-4722 Daniel Hancock, President

Private Total Sales FYE 12/80: \$378,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Advertising Distributors of America

720 Stewart Ave. Garden City, NY 11530 (516) 222-2440 Roy Harris, President

Computer Services Offered: . Processing

### Advertising Inquiry Network, Inc 10555 W Lunt Ave

Rosemont, IL 60018 (312)299-0151

Computer Services Offered: • Processing

# ADVO Systems Inc. 239 W. Service Road Hartford, CT 06101

(203) 525-9101 John A. Valentine, President

Private Cptr. Svcs. Revs. FYE 8/81: \$52,000,000 Computer Services Offered: • Processing

# Adwest Corporation 123 N Wacher Drive Chicago, 1L 60606

(312) 782-1836 Charles Porter, President

Computer Services Offered: . Software Products

#### Aeronautical Research Associates of Princeton (ARAP)

#### DIVISIONS:

#### Advanced Data Management

17-15 Main St. Princeton, NJ 08528 (609)452-2950 K. Evan Gray, President Private

Total Sales FYE 10/81: \$1,800,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Aeronca, Inc.

#### DIVISIONS:

#### Microcomputer Software

4530 Park Road,Ste 348 Charlotte, NC 28209 (704)525-9881 Joseph Miller, Chief Executive Officer Computer Services Offered: • Software Products

Aetna

#### SUBSIDIARIES:

Geosource Inc. 2700 South Post Oak Suite 2000 Houston, TX 77056 (713) 961-1111 John D. Platt, President Private Total Sales FYE 9/81: \$730,731,000 Cptr. Svcs. Revs. FYE 9/81: \$131,532,000 Computer Services Offered: • Processing

Affiliated Computer Systems See: Merchantile National Bank

Ag-Data Inc. P.O. Box 672

Walla Walla, WA 99362 (509) 525-2580 U.F. Corkrum, President Private

Computer Services Offered: • Processing

#### Agababian Associates

#### SUBSIDIARIES:

## University Software Systems 250 North Nash Street

El Segundo, CA 90245 (213) 772-0681 Robert Ewing, President
Computer Services Offered: • Software Products

AGAPE Enterprises 2818 Palmer Hwy. Texas City, TX 77590 (713)948-3461

James M. Orr, Partner Total Sales FYE 12/80; \$750,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Agency Data Systems, Inc. Merged With Agency Records Control

Agency Records Control

Now: ARC Automation Services, a subsidiary of American Express

AgriData Systems, Inc 8989 Westheimer, Ste 100 Houston, TX 77063

(713)784-8759 Computer Services Offered: • Software Products

# Agro Systems Corporation P.O. Box 64539 Lubbock, TX 79464

(806) 745-2233 Alan Lash, President

Computer Services Offered: • Processing • Software Products • Professional Services

### AIMS Management Systems

See: Direct Merchandising Services

Aims Plus, Inc. 5000 E Ben White Blvd,Ste 200 Austin, TX 78741 (512)385-0702 Tim VeArd, Vice President

Private Total Sales FYE 6/80: \$500,000

Computer Services Offered: • Software Products • Professional Services

AKRA Data Corporation See: Progressive Farmer Corporation

Alcon Data Corporation

Merged with: Rueben H. Donnelley, subsidiary of Dun and Readstreet

Alexander & Alexander, Inc.

SUBSIDIARIES:

Benefacts Inc. Hampton Plaza, 300 E Joppa Rd. Baltimore, MD 21204 (301) 296-5500

Howard Z. Herzig, President

Allen Services Corporation See: CGA Computer Associates Inc.

Allied Computer Services Inc. 170 Mt. Airy Rd.

Basking Ridge, NJ 07920 (201)766-5454 A.C. DeTorres, President

Allied Corporation

SUBSIDIARIES:

Allied Information Systems Company

35 Nutmeg Dr Trumbull Industrial Park Trumbull, CT 06609 (203)377-4141 John R. Coutts, President Total Sales FYE 12/81: \$512,949,000 Cptr. Svcs. Revs. FYE 12/81: \$46,440,000
Computer Services Offered: 

Processing

Allied Data

1720 Sleater-Kinney SE P.O. Box 2406 Olympia, WA 98507 (206) 456-3535 Robert Lovely, General Manager Total Sales FYE 6/81: \$8,000,000 Est. Computer Services Offered: • Processing • Software

Products . Professional Services . Turnkey Systems

Allied Financial Services, Inc. See: Automatic Data Processing Inc.

Allied Information Systems Company See: Allied Corporation

Allinson-Ross Corporation 155 Rexdale Blvd., Suite 906

Rexdale, ON M9W52 (416) 746-3388 A.R. Allinson, President Private Total Sales FYE 3/80: \$175,000 Est. Computer Services Offered: • Software Products

American Computer Sciences Inc.

Acquired and merged with Computer Associates International

Alltrans International Group Inc. See: Thomas National Transport of Australia

Allyn, Calvin P. & Associates 50 Congress Street Boston, MA 02109 (617) 723-7340 Computer Services Offered: . Software Products

Alpha Beta Data Services, Inc. 8640 West 3rd Street Los Angeles, CA 90048 (213) 271-1911 Mildred Kramer, President Computer Services Offered: • Processing

Alpha Data Services Inc.

812 Southwest Washington Portland, OR 97205 (503) 227-3193 Gerald W. McReynolds, President Private Computer Services Offered: • Processing • Software Products

Alpha Data Systems Inc. 13615 Inwood Rd

Dallas, TX 75234 (214)233-7062 Computer Services Offered: • Processing

Alpha Microsystems 17881 Skypark North

Irvine, CA 92714 (714)957-1404 Robert Hitchcock, President Total Sales FYE 2/82: \$21,000,000 Computer Services Offered: • Turnkey Systems

Alpha Systems, Inc. 1283 Old Worcester Rd Framingham, MA 01701 (617) 620-0983

Murray J. Daniels, President Private Total Sales FYE 5/82: \$280,000 Est. Computer Services Offered: . Software Products . Professional Services

Alphatext, Inc.

440 Renaissance Center, Ste. 2 Detroit, MI 48243 (313) 259-1323 Computer Services Offered: • Processing

### Directory of Computer Services Companies

#### Alpine Data Systems

See: Hanover Information Systems

### Altergo Software, Inc.

Name Changed To: INSAC Software Inc.

#### Ambridge International, Inc.

P.O. Box 1191 Santa Monica, CA 90406

(213) 459-3274

Computer Services Offered: • Software Products • Professional Services

#### Amcom Data Processing, Inc.

464 McCormick St. San Leandro, CA 94577

(415)638-1212

Steve McClarey, President

Total Sales FYE 6/82: \$1,100,000

Computer Services Offered: • Processing • Turnkey Systems

#### Amcor Computer Corporation See: American Express Company

Amdax Corporation

160 Wilbur Place Bohemia, NY 11716

(516) 567-7887 Computer Services Offered: • Software Products

America Resource Consultants, Inc. 9821 Katy Freeway, Ste 1222

Houston, TX 77024

(713)467-3121

Lawrence C.Wood, President Computer Services Offered: • Processing

#### American Agency Data Systems

915 N. Courtenay Parkway Merritt Island, FL 32952

(800) 327-2742 John W. Erb. President

Total Sales FYE 7/80: \$2,500,000 Est.

Computer Services Offered: • Software Products

### American Automated

303 N Boulveyard DeLand, FL 32720

(903)738-0400 Drew F. Burton, President

Total Sales FYE 12/80: \$1,700,000 Computer Services Offered: . Processing

American Bankers Association

#### DIVISIONS:

#### **BankWire**

225 Broadway New York, NY 10007

(212)619-0440 Computer Services Offered: • Processing

#### American Brand, Inc.

#### SUBSIDIARIES:

#### American Franklin Company Corporation

No. 1 Franklin Square Springfield, IL 62713

(217) 528-2011 William J. Alley, President

Total Sales FYE 12/81; \$1,100,000

Computer Services Offered: . Processing . Software Products

### American Business Forms

#### DIVISIONS:

#### Worlco Data Systems

554 W. De Kalb Pike King of Prussia, PA 19406

(215) 265-9042 Edward Rofi, President

Private

Total Sales FYE 3/80, \$4,671,930

Cptr. Svcs. Revs. FYE 3/80: \$2,556,409 Computer Services Offered: • Processing • Turnkey

## American Business Systems Inc.

439 Littleton Road

Systems

Westford, MA 01886

(617) 485-3509

Computer Services Offered: • Turnkey Systems

#### American Computer Center Inc.

8510 NW 56th Miami, FL 33166

(305) 592-7050

Henry W. Meyer, President

Computer Services Offered: • Processing • Turnkey

Systems

#### American Computer Group, Inc.

#### DIVISIONS:

#### American Used Software Co.

P.O. Box 68 Kenmore Station Boston, MA 02215

(617)437-1100

William Grinker, Controller

Computer Services Offered: . Software Products

#### American Computer Services, Inc.

200 North Michigan Avenue Chicago, IL 60601 (312) 372-8130 Jeff Wecker, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### American Computer Technology, Inc.

#### SUBSIDIARIES:

#### Business Data Services, Inc.

1821 Summit Rd. Cincinnati, OH 45237 (513) 948-8607 Robert D. Mattlin, President Total Sales FYE 12/80: \$350,000 Est. Computer Services Offered: • Processing

#### American Computing Systems Company 100 Graphic Drive

Syracuse, NY 13206 (315) 463-0211 Pierre J. Maitre, President Private

Computer Services Offered: • Software Products

#### American Data Services, Inc. See: Orbanco, Inc.

# American Dynamic Systems & Services 4000 MacArthur Blvd,Ste 760 Newport Beach, CA 92660

(714)833-1487 Martin C Glassman, President Private Total Sales FYE 12/81: \$600,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### American Express Company

#### SUBSIDIARIES:

#### Fireman's Fund Insurance Co.

1600 Los Gamos San Rafael, CA 94911 (415) 485-6746 Computer Services Offered: • Processing

#### SUBSIDIARIES:

ARC Automation Group Inc. P O Box 1009 Bryan, TX 77801 (800)241-3930 (800)241-3930
Robert Bower, Jr., President
Total Sales FYE 12/81: \$55,800,000
Cptr. Svcs. Revs. FYE 12/81: \$50,000,000 Est.
Computer Services Offered: • Processing • Turnkey Systems

### ARC Automation Services Inc.

219 Perimeter Center Parkway Atlanta, GA 30346 (404)393-0750 Robert Bower, Jr., President

#### Amcor Computer Corporation

1900 Plantside Dr Louisville, KY 40299 (502) 491-9820 Tom Aubrey, President Computer Services Offered: . Processing . Software Products . Professional Services

#### Fields Financial Services Inc

104 South Texas Ave Bryan, TX 77801 (713)779-2454 Computer Services Offered: • Processing

#### Funeral Home Management Systems, Inc. Bryan, TX 77801

(713)693-6122 Computer Services Offered: • Turnkey Systems

#### Transaction Control Industries

P.O. Box 1009 Bryan, TX 77801 (713)696-6122 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### First Data Resources, Inc.

7301 Pacific Street Omaha, NE 68114 (402) 399-3950 Bob Masterson, President
Total Sales FYE 12/81: \$65,000,000 Est.
Computer Services Offered: • Processing

### Payment Systems Inc.

100 Peachtree St., NW Suite 2640 Atlanta, GA 30303 (404) 525-1386 Dale Reistad, President Computer Services Offered: • Professional Services

#### American Financial Services

Name Changed to Academic Financial Services Association

#### American Franklin Company Corporation See: American Brand, Inc.

#### American Heritage Life Insurance

#### SUBSIDIARIES:

#### Florida Associated Services

11 E Forsyth St Jacksonville, FL 32202 (904)354-1776 Ralph L. Wolff Jr., President
Total Sales FYE 12/81: \$3,600,000 Est.

Computer Services Offered: • Processing • Software Products

#### American Hospital Supply Corp.

One American Plaza Evanston, IL 60201 (312) 866-4000 Harold G. Bernthal, President Computer Services Offered: • Processing

#### American Information

Halsted at 17th St. Chicago Heights, IL 60411 (312) 755-3770 John R. Rapasky, Jr., President

Private Computer Services Offered: • Processing • Professional

#### American Information Development, Inc. Acquired and Merged with Insurnet, Inc.

American Information Systems 16 Pearl St PO Box 367 Wellsboro, PA 16901 (717)724-1588

Clint Kreitner, President Total Sales FYE 7/81: \$300,000 Computer Services Offered: • Professional Services

American Keypunch & Systems 675 Massachusetts Ave. Cambridge, MA 02139 (617) 492-0600 Leonard Phillips, President

Private Computer Services Offered: • Processing • Professional Services

#### American Management Systems

1777 N Kent St Arlington, VA 22209 (703) 841-6000 Charles O. Rossotti, President

Public Total Sales FYE 12/81: \$65,634,000 Cptr. Svcs. Revs. FYE 12/81: \$56,434,000 Computer Services Offered: • Processing • Software Products . Professional Services

#### SUBSIDIARIES:

Executive Systems, Inc. 4833 Rugby Ave Bethesda, MD 20014 (301)656-1001 Donald C. Weymer, President Computer Services Offered: • Processing

#### American Medical International Inc.

#### SUBSIDIARIES:

Professional Hospital Services 12960 Coral Tree Place Los Angeles, CA 90066 (213) 821-2323 Revell B. Lamprecht, President Computer Services Offered: • Processing

#### DIVISIONS:

#### Friesen International, Inc.

6833 Beverly Road McLean, VA 22101 McLean, vA 22101
(202) 424-1150
M. Keith Weikel, Ph. D., President
Total Sales FYE 7/81: \$1,300,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### American Microcomputer Systems and

Services, Inc. 15910 Ventura Blvd., No. 1400 Encino, CA 91436 Bruce Dean, Vice President Total Sales FYE 7/80: \$525,000 Est. Computer Services Offered: . Turnkey Systems

#### American Service Associates

1965 New Hope St Norristown, PA 19401 (215) 275-3724 Mar Van Brakel, President Private

#### American Software Corporation

187 East Blithedale, Mill Valley, CA 94941 (415) 381-1600 Total Sales FYE 12/82: \$1,500,000 Est. Computer Services Offered: . Software Products

#### American Software, Inc.

443 E. Paces Ferry Road Atlanta, GA 30305 (404) 261-4381 James Edenfield, President Private

Total Sales FYE 4/82: \$9,200,000 Computer Services Offered: • Processing • Software Products

#### American Trucking Association Inc.

#### SUBSIDIARIES:

## ATA Services, Inc.

Washington, DC 20036 (202) 797-5393 Ron Knott, Director of Data Processing

#### American Used Software Co. See: American Computer Group, Inc.

#### American Valuation Consultants Inc. See: Valuation Research Corporation

#### American Viking Enterprises Inc. PO Box 1232

Lynnwood, WA 98036 (206)771-4794 Computer Services Offered: • Software Products

#### AmeriTrust Company

#### DIVISIONS:

### PM Computer Services Co.

630 30th Street N.W. Canton, OH 44709 (216) 489-1888 Howard Haidet, President Total Sales FYE 12/81: \$3,000,000 Computer Services Offered: Processing Software Products . Turnkey Systems

### AmeriTrust Corporation

900 Euclid Ave Cleveland, OH 44101 (216)687-5000 Jerry Jarrett, President

Computer Services Offered: • Processing

#### Amherst Associates 20 N. Clark St.

Chicago, IL 60602 (312)346-0900 M. King Deets, Ph.D., President Private Total Sales FYE 12/81: \$21,000,000 Cptr. Svcs. Revs. FYE 12/81: \$11,760,000 Computer Services Offered: • Processing

#### AMOCO Computer Services Company See: Standard Oil of Indiana

Ampersand Corporation 128 S. George Street P.O. Box M-84 York, PA 17405 (717)845-5603 Dale R. Smith, Jr., President Private Total Sales FYE 12/81: \$410,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Amtab Data

See: Natek Corporation

Amtek Inc. 2255H Martin Ave. Santa Clara, CA 95050 (408) 727-1510

#### Anacomp Business Systems, Inc. See: Anacomp, Inc.

Anacomp Computer Management, Inc. See: Anacomp, Inc.

Anacomp, Inc. 11550 N Meridian St., Ste.600 PO Box 40888 Indianapolis, IN 46032

(317)844-9666 Ronald D. Palamara, Chairman and President Public

Total Sales FYE 6/82: \$109,599,000 Cptr. Svcs. Revs. FYE 6/82: \$97,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

Access Data Systems, Inc. 3611 Black Canyon, N. Phoenix, AZ 85015 (602)264-2430

### Anacomp Business Systems, Inc.

100 Oceangate, Ste. 720 Long Beach, CA 90802 (213)435-7041

#### Anacomp Computer Management, Inc.

1621 Euclid Avenue 1100 Keith Building Cleveland, OH 44114 (216) 579-0080

David D. Ludwig, President Computer Services Offered: . Processing . Software Products • Professional Services

Computer Service Corporation 16250 Northland Dr. Southfield, MI 48075 (313) 358-3852 Richard Wright, President Computer Services Offered: • Processing

#### **ERCO**

1600 S. Brown Street Dayton, OH 45409 (513) 228-8051 Jack Sowder, President Computer Services Offered: • Processing

Escom, Inc. 12838 S.E. 40th Place

Bellevue, WA 98006 (206) 641-4990 John Craig, General Manager Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Kranzley & Co., Inc. 1010 South Kings Highway

Cherry Hill, NJ 08034 (609) 795-1515 Arthur S. Kranzley, President

Computer Services Offered: • Software Products • Turnkey Systems

### Sci-Tek Associates, Inc.

11550 Meridian St., N., Ste 60 Carmel, IN 46032 (317)844-9666 Ronald Palamara, President

#### Analex Computing, Inc. 5222 Richmond Rd.

Bedford Heights, OH 44146 (216) 464-5013 Hubbard Little, President

Computer Services Offered: • Software Products • Professional Services

#### Analogics, Inc.

31332 Via Colinas.Ste 101 Westlake Village, CA 91362 (213) 347-1885 Michael Weiner, President

Private Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Analysis and Programming Corporation

180 W. Putnam Greenwich, CT 06830 (203) 661-4146 Walter B. Nelson, President

Total Sales FYE 6/81: \$10,000,000 Est. Computer Services Offered: • Processing

## Analysis and Technology, Inc Route 2, Technology Park PO Box 220

North Stonington, CT 06359 (203) 599-3910 A. Theodore Mollegen, President

Private

Total Sales FYE 3/82: \$1,500,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services

#### Analysts International Corporation

7615 Metro Blvd. Minneapolis, MN 55435 (612) 835-2330 Frederick W. Lang, President

Total Sales FYE 6/82: \$27,659,000 Computer Services Offered: • Software Products • Professional Services

#### Analytics Inc. 2500 Maryland Road

Willow Grove, PA 19090 (215) 657-4100 Steve Liebholz, President Private Total Sales FYE 12/81: \$12,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Andover Data Services, Inc. 145 E. 32nd Street New York, NY 10016 (212) 685-1321

#### Anstat Business Services

1120 Avenue of the Americas New York, NY 10036 (212) 840-6868 Leon Weisburgh, President

Total Sales FYE 9/81: \$3,823,372 Computer Services Offered: • Processing

788 Myrtle St. Roswell, GA 30075 (404) 993-7270 A.K. Nagrani, Owner Private Total Sales FYE 12/81: \$250,000

Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Anthem Systems Corporation

1035 Edwards Rd Burlingame, CA 94010 (415) 347-4761 Mike Paul, President

Computer Services Offered: • Turnkey Systems

#### Anthusion Inc.

589 Grand Blvd Venice, CA 90291 (213) 392-1343 Will McWhinney, President

Total Sales FYE 12/80: \$250,000 Est. Computer Services Offered: • Professional Services

#### Apparel Management Systems

See: Silton Data

#### Apple Computer

20525 Mariani Ave Cupertino, CA 95014 (408)996-1010 A. C. Markkula Jr., President

Public

Total Sales FYE 9/81: \$334,783,000 Cptr. Svcs. Revs. FYE 9/81: \$33,478,000 Est. Computer Services Offered: • Software Products

#### Application Development System Inc. 1530 Meridian Ave.

San Jose, CA 95125 (408) 264-2272 William D. Long, Chairman Total Sales FYE 12/81: \$1,863,477 Computer Services Offered: • Software Products

#### Application Systems International

1006 Burning Tree Houston, TX 77339 (713) 358-9099 Ed Martin, President Computer Services Offered: . Software Products

#### Applications Data Enterprises 1309 East Carson Street

Carson, CA 90746 (213) 775-4116 Norman Bohana, President Computer Services Offered: . Processing . Software

Products • Professional Services • Turnkey Systems

#### Applications Programming Co. 11 West 2nd

Moorestown, NJ 08057 (609) 234-0099 Charles Bouman, President Private

Computer Services Offered: • Software Products • Professional Services

#### Applications Software Inc.

21515 Hawthorne Blvd. Torrance, CA 90503 (213) 540-0111 Donald Sundeen, President Private

Total Sales FYE 6/81; \$1,800,000 Computer Services Offered: . Software Products

### Applicon Inc.

See: Schlumberger Ltd

### Applied Business Systems

3303 Harbor Blvd, Blvd B-6 Costa Mesa, CA 92626 (714)549-9309 John W. Rhinesmith Jr., President Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey

#### Applied Business Systems, Inc. 400 Embassy Square

Louisville, KY 40299 (502) 491-1050 W.K. Salmon, President Private Total Sales FYE 12/81: \$977,000 Computer Services Offered: • Processing

## Applied Business Systems, Inc. 721 Emperia, S

Wichita, KS 67211 (316) 262-6118 Randall Johnson, President

Total Sales FYE 6/81: \$150,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Applied Business Technologies Inc.

3712 Garret Rd. Drexel Hill, PA 19026 (215)259-7676 David K. Moldoff, President Total Sales FYE 12/81: \$400,000 Computer Services Offered: • Software Products • Turnkey

### Applied Color Systems, Inc.

P.O. Box 5800 Princeton, NJ 08540 (609)924-2189

Systems

### Applied Communications Inc.

206 108th Ave. S. Omaha, NE 68154 (402)330-3732 James Cody, President

Private Total Sales FYE 9/82: \$13,500,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Applied Computer Associates

966 Hungerford Dr Rockville, MD 20850 (301)424-4112 Computer Services Offered: • Processing

#### Applied Computer Enterprises, Inc. See: Bush, Lloyd and Associates

### Applied Computer Graphics

9720 Town Park, Ste 101 Houston, TX 77036 (713)988-9819 Computer Services Offered: • Professional Services

#### Applied Computer Services Inc.

7350 W. College Dr. Palos Heights, IL 60463 (312) 448-0837 Peter Wilzak, President Private

Total Sales FYE 1/80: \$6,000,000 Est.

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### Applied Computer Systems

25194 La Rema Dr. Los Altos, CA 94022 (408) 733-3733 R.W. Copeland, President Private

Computer Services Offered: • Turnkey Systems

### Applied Computer Technology Application

Software Division 60 South Turnpike Rd Wallingford, CT 06492 (203) 776-7743 Walter H. Chudleigh, Managing Partner Computer Services Offered: • Software Products

#### Applied Computing Devices

1318 Ohio St Terre Haute, IN 47807 (812)232-6051 W. D. Shindell, President Private Computer Services Offered: • Turnkey Systems

### Applied Cybernetics Inc.

224 Camino del Cerro Los Gatos, CA 95030 (408) 356-7296 John E. Hume, President Computer Services Offered: • Software Products

### Applied Data Corporation

#### DIVISIONS:

FMG Corporation
P.O. Box 16020
Fort Worth, TX 76133 (817) 294-2510 Computer Services Offered: • Software Products

#### Applied Data Processing, Inc. 33 Bernhard Road

North Haven, CT 06473 (203) 787-4107 David W. Chaffin, President Public Total Sales FYE 12/81: \$2,875,254 Computer Services Offered: • Processing • Turnkey Systems

### Applied Data Research, Inc.

Route 206 and Orchard Rd, CN-8 Princeton, NJ 08540 (201)874-9000 John R. Bennett, President Public Total Sales FYE 12/81: \$52,264,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### ADR International Corp.

Route 206 Center, CN-8 Princeton, NJ 08540 (609) 921-8550 Patrick R. Capone, President

ADR Services, Inc.

800 Follin Lane Vienna, VA 22180 (703) 281-2000

Robert C. Buckley, President

## Massachusetts Computer Associates, Inc. (COMPASS)

26 Princess Ave. Wakefield, MA 01880 (617) 245-9540 Charles A. Muntz, President

#### DIVISIONS:

#### ADR Datacom Division

8515 Greenville Ave., Ste. S I Suite 310 Dallas, TX 75243 (214)349-1101 Kenneth A. Parker, President

#### Applied Data Services

1550 Flower St Glendale, CA 91201 (213)956-1646 Ed Roy, President Private

#### Applied Data Systems, Inc.

### Applied Decision Systems 33 Hayden Ave

Lexington, MA 02173 (617)861-7580 Carl Sloane, President

## Applied Design Company Inc. See: Adcon

## Applied Digital Data Systems, Inc.

Hauppauge, NY 11787 (516) 231-5400

Computer Services Offered: • Turnkey Systems

### Applied Dynamics Inc.

3035 Directors Row, Suite 1310 Memphis, TN 38131 (901) 345-3211 E.G. Lawrence, President Private

Total Sales FYE 4/80: \$300,000 Est.

Computer Services Offered: • Processing • Turnkey Systems

### Applied Financial Systems

See: Sun Information Services Company

#### Applied Financial Technology Inc. (AFTECH)

See: Buckeye Federal Savings & Loan

## Applied Information Development (AID), Inc.

823 Commerce Drive
Oak Brook, IL 60521
(312) 654-3030
Lee Munder, President
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Applied Information Dynamics, Inc

111 Mandala Ct Walnut Creek, CA 94596 (415)934-2504 Dennis Sorensen, President Computer Services Offered: • Software Products

#### Applied Information Management Inc.

\* 675 E. Irving Park Roselle, II. 60172 (312) 980-9610 Frank Braje, President Private Computer Services Offered: \* Software Products \* Turnkey

## Applied Information Systems, Inc. (AIS)

Chapel Hill, NC 27514
(919) 942-7801
Arthur W. Coston, President
Private
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Applied Management Systems Inc. 5821 Park Rd. Suite 204

Charlotte, NC 28209
(704) 554-8720
Stanford R. Brookshire Jr., President
Private
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Applied Microcomputer Systems

Silver Lake NH 03875 (603)367-8004 Peter Smart, President Private Computer Services Offered: • Software Products • Professional Services

#### Applied Software Inc.

440 P.G.A. Blvd., Suite 204 Palm Beach Gardens, FL 33410 (305) 626-4818

Walter Josephson, President Computer Services Offered: • Software Products

#### Applied Software Technology

14125 Capri Dr Los Gatos, CA 95030 (408)370-2662 Computer Services Offered: • Software Products

#### Applied Systematics Inc.

Name Changed to IDC Data Services Inc.

#### Applied Systems Associates

2681 Mosside Blvd. 212 Community Plaza E. Monroeville, PA 15146 (412) 373-2780 James S. Leib, President

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Applied Systems Corporation

26401 Harper St. Clair Shores, M1 48081 (313) 779-8700 Marty Wyrod, President

Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

#### Apro Systems, Inc.

1400 Broadway New York, NY 10018 (212)212-6800 Computer Services Offered: • Software Products

### Aptech Computer Systems, Inc

138 Delta Dr Pittsburgh, PA 15238 (412)782-5550

#### Aquas Inc.

7768 Woodmont Ave Bethlehem, MD 20014 (301)654-4000 Computer Services Offered: • Processing

#### Arbat Systems, Ltd.

See: Arbuthnot Latham Bank

#### Arbitron

See: Control Data Corporation

#### Arbuthnot Latham Bank

#### SUBSIDIARIES:

#### Arbat Systems, Ltd.

Arbat Plaza Hoboken, NJ 07030 (201)963-4440 (201)903-4440 Harry J. Richardson, Executive Vice President Total Sales FVE 12/81: \$8,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Archives Incorporated 404 West 35th St Davenport, IA 52806 (319) 386-7401 Private Total Sales FYE 7/82: \$2,500,000 Est. Computer Services Offered: • Turnkey Systems

#### Arcola Software Main Street

Arcola, IL 61910 (217) 268-3011 Patrick H. Monahan, President Private Computer Services Offered: • Processing • Software Products • Professional Services

### Area Computer Services, Inc.

7890 Ulmerton Road

Largo, FL 33540 (813)535-9801 Ted Schommer, President Private Total Sales FYE 2/82: \$650,000 Computer Services Offered: 
Processing Software Products Professional Services Turnkey Systems

Aregon Group Ltd Anaheim, CA 92806 (714)634-9012 Michael Strong, President Computer Services Offered: 
Processing • Software Products • Professional Services

#### SUBSIDIARIES:

Aregon Group, Inc. 1911 Wright Circle Anaheim, CA 92806 (714)634-9012 Michael Strong, President

#### SUBSIDIARIES:

#### Global Data Corporation, Inc.

1904 Wright Cir. Anaheim, CA 92806 (714) 634-1401 Robert W. Carlisle, President Computer Services Offered: 
Processing Professional Services Turnkey Systems

#### Global Data Midwest Corp

16615 South Halstead Harvey, IL 60426 (312) 596-6800 John R Listina, Executive VP Private

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Computer Software Designs

1911 Wright Circle
Anaheim, CA 92806
(714)634-9012
Chris Harrocks, Exce Vice President
Computer Services Offered: • Software Products •
Professional Services • Turkey Systems

#### Aregon Group, Inc.

See: Aregon Group Ltd

#### Aregon Systems Inc

Name changed to: Computer Software Design

#### Argo Data Resources Group

4851 Keller Spring Rd, Ste 123 Dallas, TX 75248 (214)380-0050 Max Martin, President

Private

#### Argonaut Information Systems Inc.

383 Grand Ave. Suite 6
Oakland, CA 94610
(415) 444-59
Luanne James, President
Private
Total Sales FYE 11/81: \$2,800,000
Computer Services Offered: • Software Products

SUBSIDIARIES:

#### Argonaut Information Systems of Kansas

4210 Johnson Dr. Fairway, KS 66205 (913)262-8271

Computer Services Offered: • Turnkey Systems

#### Argonaut Information Systems of Kansas See: Argonaut Information Systems Inc

Argos
200 Madison Ave
New York, NY 10016
(212)684-4640
Aric Rosenback, President
Private

Private
Total Sales FYE 6/81: \$1,125,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Argus Engineering Inc.

Box 225 Elmhurst, IL 60126 (312) 528-7433 Robert Gustafson, President

### Aries Information Systems, Inc.

7400 Metro Blvd. Suite 370 Minneapolis, MN 55435 (612) 835-2366 Computer Services Offered: • Software Products

#### Arinco Computer Systems Inc.

105 E. Marcy, Suite 200
Santa Fe, NM 87501
(505) 988-9743
Private
Total Sales FyE 12/80: \$2,000,000
Computer Services Offered: • Turnkey Systems

SUBSIDIARIES:

#### Word Processing Center

105 E. Marcy, Suite 200 Santa Fe, NM 87501 (305) 988-9743 Art Rubino, President Computer Services Offered: • Processing

Arista Manufacturing Systems

Acquired/merged with Management Science America

#### Arizona Computer Services Inc.

4450 Central Ave, N. Phoenix, AZ 85012 (602)263-8958

#### Arkansas Best Corporation

SUBSIDIARIES:

#### **Data-Tronics Corporation**

310 Towson Avenue Fort Smith, AR 72901 (501) 788-6331 Jerry Yarbrough, President Total Sales FYE 12/81: \$2,000,000 Est. Computer Services Offered: Processing

#### Arkansas Systems Inc. 8901 Kanis Rd, Suite 206

Little Rock, AR 72205 (501) 227-8471 James K. Hendren, President Private Total Sales FYE 12/80: \$600,000 Computer Services Offered: • Software Products • Professional Services

#### Arkay Computer Inc. 24 Manor House Rd.

Newton Centre, MA 02159 (617) 964-1894 Robert Kahn, President Private

Computer Services Offered: • Software Products

Arms Inc. See: NSA. Inc.

Arrigoni Computer Graphics

231 O'Connor Dr. San Jose, CA 95128

(408) 286-2350

Computer Services Offered: • Turnkey Systems

### Arthur Andersen & Co.

69 West Washington St.
Chicago, IL 60602
(312) 346-629 /81: \$1,025,000,000
Cptr. Sves. Revs. FYE 9/81: \$251,000,000
Computer Services Offered: • Software Products •
Professional Services

### Arthur Young & Co.

277 Park Avenue New York, NY 10017 (212)922-3132 Private

Cptr. Svcs. Revs. FYE 7/81: \$38,000,000 Est.

Computer Services Offered: • Professional Services

### Artificial Intelligence Corporation

Waltham, MA 02254 (617)890-8400 Larry Harris, President Private Total Sales FYE 3/81: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Artronic Information Systems Inc. P O Box 35A

Tarrytown, NY 10591 Arthur A. Katz, President Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Arvin Industries, Inc.

#### SUBSIDIARIES:

### Calspan Corporation Advanced Technology

4455 Genesce St PO Box 400 Buffalo, NY 14225 (716)632-7500 For Fritts, President Total Sales FYE 12/81: \$80,000,000 Est. Cptr. Sves. Revs. FYE 12/81: \$11,500,000 Est. Computer Services Offered: • Professional Services

#### Ash Data Services 623 S. Wabash 5th Fl.

Chicago, IL 60609 (312) 663-3550 Richard Ash, President Private

#### Ashland Oil Inc.

#### SUBSIDIARIES:

## Datacare Inc.

2602 Franklin Rd. SW Roanoke, VA 24014 (703) 981-9200 Edward W. Warsaw, President

Computer Services Offered: • Software Products • Turnkey Systems

#### Ashton-Tate

9929 West Jefferson Blvd Culver City, CA 90230 (213)204-5570 Computer Services Offered: • Software Products

#### Asist

22150 Greenfield Rd.
Detroit, M1 48237
(313)968-2121
Dennis McDermit, President
Total Sales FYE 7/81: \$5,000,000 Est.
Computer Services Offered: 

\*\*Software Products\*\*

\*\*Professional Services\*\*

### ASK Computer Systems, Inc. 730 Distel Drive

Los Altos, CA 94022 (415) 969-4443 Sandra Kurtzig, President Private Total Sales FYE 6/82: \$22,769,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Aspen Computer Services

Aspen, CO 81611 (303) 925-5544 Donald Voltmer, President Private Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Aspen Systems Corporation

\*See: Informatie en Communicatie Unie of The Netherlands

## Asset Data Systems Inc. See: North American National Corporation

See: North American National Corporation

#### Associated Computer Consultants 228 East Cota Street Santa Barbara, CA 93101

(805) 963-8801
Private
Private
Total Sales FYE 12/80: \$3,000,000
Cptr. Sves. Revs. FYE 12/80: \$2,100,000
Computer Services Offered: \*Software Products \*Professional Services \* Turnkey Systems

#### Associated Computer Management Specialists, Inc (ACMSI) 34201 W Seven Mile Rd

34201 W Seven Mile Rd Livonia, MI 48152 (313)474-8686 Computer Services Offered: • Software Products

### Associated Computer Services Inc.

P O Box 23097 Portland, OR 97223 (503)620-0440 Computer Services Offered: • Processing

### Associated Credit Services

See: Computer Sciences Corporation

#### Associated Press

50 Rockefeller Plaza New York, NY 10020

(212)621-1732

Total Sales FYE 12/81: \$152,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$14,610,000 Est. Computer Services Offered: • Processing

#### Associated Resources

1900 Euclid Ave. Cleveland, OH 44115 (216) 771-3151

### Associates for Management Services Inc.

12611 Northup Way Bellevue, WA 98005 (206) 453-9775

Computer Services Offered: • Software Products

#### Association Systems Inc. (ASI)

P.O. Box 768 Weehawken, NJ 07087 (201)864-1025

#### Astradyne Computer Industries, Inc.

1122 Franklin Garden City, NY 11530 (516) 742-9500 Seymour Eagel, President Public

Total Sales FYE 12/82: \$10,000,000 Est. Computer Services Offered: • Processing • Software Products

### Atlanta Data Processing Service

6065 Barfield Rd. Suite 118 Atlanta, GA 30328 (404) 252-9481

Ray Espinosa, President

Computer Services Offered: . Turnkey Systems

#### Atlantic Computing Corporation 1447 Peachtree St. NE

Atlanta, GA 30309 (404) 892-1895

#### Atlantic Data Services Inc.

Batterymarch Park Ouincy, MA 02169 (617)770-3333 Robert Howe, President

Total Sales FYE 3/82: \$470,000

Computer Services Offered: • Professional Services • Turnkey Systems

#### Atlantic Management Systems

See: AGS Computers Inc.

#### Atlantic Software Inc.

Name changed to: Atlantic Management Systems

#### Auditek Inc.

875 Avenue of the Americas New York, NY 10001 (212) 564-3140 Gerald M. Kahn, President

Computer Services Offered: • Processing

#### Autex Division

See: Xerox Corporation

#### Authorization Systems Inc. 11400 Rockville Pike

Rockville, MD 20852 (301)770-1625 Computer Services Offered: • Processing • Professional

### Auto Tell Services, Inc.

771 E. Lancaster Ave. Villanova, PA 19085 (215) 525-9526

Guy E. Warner, President Private

Total Sales FYE 9/80: \$3,132,000 Computer Services Offered: • Processing • Turnkey Systems

## Auto-trol Technology Corporation 12500 Washington St, N P O Box 33815

Denver, CO 80233 (303) 452-4919 Graham King, President Public

Total Sales FYE 12/81: \$46,287,000 Computer Services Offered: • Turnkey Systems

#### Automated Bookkeeping Corporation

330 W 42nd St, 29th Fl New York, NY 10036 (212) 354-7666 Private

#### Automated Business Services, Inc.

6525 Belcrest Rd. Hyattsville, MD 20782 (301) 277-4141 Theodore Howard, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Automated Business Systems Inc.

365 W. Passaic St. Rochelle Park, NJ 07662 (201) 368-1210

John Pavese, Jr., President

Total Sales FYE 8/82: \$4,400,000 Est. Computer Services Offered: • Professional Services

SUBSIDIARIES:

#### Effective Software Products

365 Passaic St., W. Rochelle Park, NJ 07662 (201)368-1216 Lawrence Campbell, President Computer Services Offered: • Software Products

#### Quality Educational Development

365 Passaic St., W Rochelle Park, NJ 07662 (201)368-1215 James Durkin, President Computer Services Offered: • Professional Services

#### Systems Software Technology

365 Passaic St., W. Rochelle Park, NJ 07662 (201)368-1217 John Crowley, President Computer Services Offered: • Professional Services

#### Automated Computer Services See: Continental Financial Services

#### Automated Concepts, Inc. 386 Park Ave. S.

New York, NY 10016 (212) 725-4540 Fredrick Harris, President Total Sales FYE 12/81: \$12,819,000

Rahway, NJ 07065

Computer Services Offered: • Professional Services • Turnkey Systems

#### Automated Data Associates Inc. 1333 Lawrence Street

(201) 382-3900 Terrance O. Joseph, President Public Total Sales FYE 9/81: \$1,000,000 Cptr. Svcs. Revs. FYE 9/81: \$900,000 Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

### Automated Data Services, Inc.

617 Sonora Ct Cincinnati, OH 45215 (513) 579-0666 Jay Hilnbrand, President

#### **Automated Design Centers**

1016 King of Prussia

19401 S Vermont Ave., Bldg B-100 Torrance, CA 90502 (213)327-7744 Computer Services Offered: • Processing

#### Automated Financial Systems Inc.

King of Prussia, PA 19406 (215) 337-3200 James Greenwood, President Computer Services Offered: • Software Products

### Automated Health Systems, Inc.

3800 Woodward Ave. Detroit, MI 48201 (313) 831-7020 Sherwood Clifford, President Computer Services Offered: • Turnkey Systems

#### Automated Information Inc.

6710 Clayton Richmond Heights, MO 63117 (314) 644-4050 Robert Love, President Private

#### Automated Language Processing Systems

(ALPS) 190 West 800 North Provo, UT 84601 (801)375-0090 Computer Services Offered: • Turnkey Systems

### Automated Management Inc.

11181 Harry Hines, Ste 128 Dallas, TX 75229 (214)620-1700 Computer Services Offered: . Software Products

#### Automated Medical Associates, Inc. See: AGS Computers Inc.

#### SUBSIDIARIES:

### Payroll Procedures

236 Fifth Avenue New York, NY 10001 (212) 685-7276 Calvin Kohler, President Computer Services Offered: . Processing

### Automated Quill Inc. 3501 South Corona, Suite 5

Englewood, CO 20110 (303) 761-2722 Vincent Lawrence, President Computer Services Offered: • Software Products

#### Automated Resource Management Inc. 6055 Jackson Rd

Ann Arbor, MI 48103 (313) 994-6121 Grant Cook, President Private Total Sales FYE 12/80; \$250,000 Computer Services Offered: • Processing • Professional Services

#### Automated Resources Group Inc.

120 Pleasant Ave. Upper Saddle River, NJ 07458 (201) 825-8100 Tom Amoriello, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Automated Science Group, Inc.

700 Roeder Rd Silver Spring, MD 20910 (301)587-8750 Clarence Braddock, President Total Sales FYE 3/81: \$3,800,000 Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### **Automated Systems**

888 N. Sepulveda Blvd. El Segundo, CA 90245 (213) 322-1727

Total Sales FYE 7/80: \$4,000,000 Est. Cptr. Svcs. Revs. FYE 7/80: \$2,000,000 Est.

## Automated Systems Design Corporation See: Informatics General Corp

### Automated Systems Consultants

108020 W 64th.St,Suite 103B Shawnee, KS 66203 (913)268-8600 Lee Holt. President

Private
Total Sales FYE 7/81: \$2,000,000
Computer Services Offered: • Professional Services

#### Automated Systems Marketing

3300 West 50th Terrace
Shawnee Mission, KS 66205
Computer Services Offered: • Processing

Automated Systems, Inc. 345 W. Second Street Dayton, OH 45402

(513) 223-9522 Robert C. Zinck, Jr., President

Private Total Sales FYE 12/80: \$631,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Automated Teller Machine Services Group

245 W. Elmwood Dr. Dayton, OH 45459 (614)435-2335

Computer Services Offered: • Software Products

#### Automatic Business Centers Inc.

Rt. 73, Linwood Maple Shades, NJ 08502 (609) 779-9200 George Raymond, President

Computer Services Offered: • Processing

### Automatic Data Processing Inc. Inc.

Clifton, NJ 07015 (201)365-7300 Josh Weston, President Public

Public
Total Sales FYE 6/82: \$669,263,000
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

SUBSIDIARIES:

#### Allied Financial Services, Inc.

307 South Tryon, Suite 500
Charlotte, NC 28282
(704) 377-2000
Donald J. Modenbach, President
Computer Services Offered: • Processing

#### First Data Corporation

40 Second Avenue Waltham, MA 02154 (617) 890-6701 Perry Harris, President

#### Telephone Computing Service, Inc.

1020 John St Seattle, WA 98109 (206) 682-8482 Howard Phillips, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkev Systems

DIVISIONS:

#### ADP Banking Services Division

Seven Century Dr Parsipanny, NJ 07054 (201) 267-8100 Richard Petterson, Group President

#### ADP Brokerage Services Division

42 Broadway New York, NY 10004 (212) 344-6016 Ric Dugues, President

#### ADP Collision Estimating Services Inc. 1675 Sabre Street

Hayward, CA 94545 (415) 785-4004 Goren Staglin, President

Computer Services Offered: • Processing

## ADP Commercial Services Division 405 Route 3

Clifton, NJ 07015 (201) 472-1000 William Neal, Group President

#### ADP Comtrend Division

25 Third St Stanford, CT 06905 (203)357-1611 Art Weinbach, Senior Vice President

Art Welloach, Sellor Vice Frestein

#### ADP Dealer Services Division 920 E Algonquin Rd

Schaumbltrg, IL 60194 (312)397-1700 David Torrence, President

#### ADP Electronic Financial Services Division

200 Broadacres Dr. Bloomfield, NJ 07003 (201) 338-5858

Richard Patterson, Group President

#### ADP International 405 Route 3

Clifton, NJ 07015 (201) 365-7300 Arthur Kranseler, Group President

#### ADP Network Services Division

175 Jackson Plaza Ann Arbor, MI 48106 (313) 769-6800 Kenneth W. Draeger, President

#### ADP Pension Services Division

22481 Aspen St. P.O. Box A El Toro, CA 92630 (714) 768-9300 Richard Patterson, Group President

#### ADP Telephone Computing Services

1020 John St. Seattle, WA 98109 (206) 682-8482 Richard Patterson, Group President

### ADP Thrift Services Division

3300 Main St. Houston, TX 77002 (713) 526-8911 Richard Patterson, Group President

#### Business Systems Research Inc. 10 Manor Parkway

Salem, NH 03079

(603) 898-7000 Eric Levine, President Private Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Automatic Industrial Applications Inc.

See: SG2

#### Automation Consultants International 18070 Lake Encino Drive

Encino, CA 91316 (213) 344-9270 Alan L. Stewart, Director rivate

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### **Automation Consultants**

610 Santa Cruz Ave. Menlo Park, CA 94025 (415) 326-4031 Alan Carl, President

Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Automation Inc. 1904 Farnam Street

Omaha, NE 68102 (402) 342-3346 D.R. Dale, President Private Total Sales FYE 12/80; \$1,500,000

Computer Services Offered: • Processing

Automation Industries, Inc.

#### DIVISIONS:

#### Vitro Computer Services

14000 Georgia Avenue Silver Spring, MD 20910 (301) 871-2833 Wayne Scheaffer, President

## Automation Management Services, Inc. (AMS)

16535 W. Bluemound Rd. Suite 230 Brookfield, WI 53005 (414) 784-3500 John Knopp, President Private Computer Services Offered: • Professional Services

### AutoScript, Inc.

Bloomfield, CT 06002 (203)242-2358 John Grise, President Private Total Sales FYE 9/80: \$750,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Autumn Software

8340 Greenboro Dr Suite 1018
Mc Lean, VA
(703)734-9590
Tony Thompson, President
Private
Total Sales FYE 12/81: \$300,000 Est.
Computer Services Offered: • Software Products •
Professional Services

#### Auxton Computer Enterprises

Orlando, FL 32801 (305)425-300 John P. Croxton, President Public Total Sales FYE 12/81: \$9,661,567 Cptr. Sves. Revs. FYE 12/81: \$8,847,226 Computer Services Offered: • Professional Services

#### Avar and Associates 414 N. Winnebago Drive

201 East Pine St

Greenwood, MO 64034 (816) 623-3188 Sterling Weaver, President

Computer Services Offered: • Software Products • Turnkey Systems

#### Avco Computer Services See: Avco Corporation

\_\_\_\_

#### Avco Corporation 1275 King St

Greenwich, CT 06830 (203)531-2800 Donald K Tarrar, President

#### SUBSIDIARIES:

#### Avco Computer Services

201 Lowel Street
Wilmington, MA 01887
(617) 729-7700
Richard E. Bibaud, Vice President
Total Sales FVE 11/81: \$12,800,000
Computer Services Offered: • Processing • Professional
Services.

#### Aviation Information Services Inc.

3333 Quebec St., Suite 8700 Denver, CO 80207 (303)393-0136 Robert D. Lewis, President

Private

Total Sales FYE 6/82: \$1,500,000

Computer Services Offered: 
• Processing • Software Products • Professional Services • Turnkey Systems

#### Axios Group

2364 Middle Country Rd. Centereach, NY 11720 (516) 588-5461 David S Kirk, President Private

Total Sales FYE 9/81: \$1,250,000

Computer Services Offered: • Software Products • Professional Services

. . . . . . . . .

#### Axxess Information Systems, Inc. 200 Central Ave

Mountainside, NJ 07092 (201) 232-7600 Frank Petillo, President Private

Total Sales FYE 6/81: \$4,500,000

Computer Services Offered: • Turnkey Systems

#### Ava Associates Inc. (AAI)

564 S. Forest Dr. Teaneck, NJ 07666 (201) 692-0025 Edgar H. Ava, President

Edgar H. Aya, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Ayers-Whitmore 950 3rd Ave

New York, NY 10003 (212) 752-3606 Emory D Ayers, Managing Director Private Total Sales FYE 6/81: \$1,400,000 Est.

Cptr. Svcs. Revs. FYE 6/81: \$350,000 Est.

Computer Services Offered: • Professional Services

#### Azrex Inc

3 Mountain Road Burlington, MA 01803 (617) 272-8750 David McIlhenny, President Private Total Sales FYE 6/82: \$1,200,000 Computer Services Offered: • Software Products • Professional Services

#### Aztec Data Processing Inc.

97-45 Queens Blvd. Forest Hills, NY 11374 (212) 897-2400

Leonard Minowitz, President

Computer Services Offered: • Processing • Professional Services

#### Aztech Corporation

1621 Conneticut Ave. NW
Washington, DC 20009
(202) 232-5500
John Rollins, President
Private
Total Sales FYE 12/80: \$1,700,000
Computer Services Offered: • Processing • Software
Products \* Turnkey Systems

#### B & L Associates, Inc

56 Kearney Road Needham, MA 02194 (617)444-1004 Computer Services Offered: • Software Products

#### **B.K.** Dynamics

3204 Monroe St PO Box 6012 Rockville, MD 20850 (301)984-7300 Philip G. Bernard, President

Private
Total Sales FYE 12/81: \$8,000,000 Est.
Computer Services Offered: • Professional Services

#### B-H Computer Systems Inc.

See: Tace Resources, Inc.

## BBN Computer Corporation See: Bolt Beranek and Newman, Inc.

#### BDM International, Inc.

7915 Jones Branch Dr. McLean, VA 22102 (703)821-5000

Earle C. Williams, President

Public
Total Sales FYE 12/81: \$88,200,000 Est.
Cptr. Svcs. Revs. FYE 12/81: \$19,400,000 Est.
Computer Services Offered: • Professional Services

### BDR, Inc.

17 East 45th Street New York, NY 10017 (212) 687-0333 Joseph Buonomo, President

#### **BGS** Systems

1 University Office Pk Waltham, MA 02254 (617) 890-0000 Harold Schwenk, Jr., President Private Total Sales FYE 1/82; \$4,000,000 Est. Computer Services Officed: • Software Products

### BIS. Inc.

110 Wall St New York, NY 10005 (212)269-0770

Total Sales FYE 7/80: \$5,000,000 Computer Services Offered: • Professional Services

BM Systems

5980 Port Anadarko Trail Hermitage, TN 37076 (615) 889-0714 B. Malone, President Private

Computer Services Offered: • Software Products

BMA Data Processing, Inc. See: Central Bank & Trust

BMC Software Inc.

PO Box 2002 Sugarland, TX 77478 (713)491-8800

BMS Computer Inc.

150 W Wiget Ln. Walnut Creek, CA 94598 (415) 938-2620 Larry Lynch, President

Total Sales FYE 12/81; \$250,000 Computer Services Offered: • Software Products

BPI Systems, Inc.

3423 Guadalupe Austin, TX (512) 454-7191

John A. Moss, President Public

Total Sales FYE 3/82: \$4,197,397 Computer Services Offered: • Software Products • Professional Services

BRS Computing Inc.

7 Westchester Plaza Elmsford, NY 10523 (914) 592-5338 Barry Schoenhaut, President

Total Sales FYE 9/81: \$700,000 Est. Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

BSA Company, Inc.

1714 Brogan Street San Antonio, TX 78232 (512) 734-3814 Weldon Cabaniss, President

Computer Services Offered: • Software Products

BSI

Merged with Micro Data Systems, Inc.

BST Consultants, Inc. 6110 Gunn Highway P.O. Box 23425 Tampa, FL 33623

(813) 961-3902 Carlos Baldor, President

Computer Services Offered: • Processing • Software Products • Turnkey Systems

SUBSIDIARIES:

BST Data Systems Company 6110 Gunn Highway P.O. Box 23425 Tampa, FL 33623

(813) 961-3902 Don Silkebakken, President Computer Services Offered: • Processing

BST Data Systems Company
See: BST Consultants, Inc.

**BUC International Corp** 1881 Northeast 26th St

Fort Lauderdale, FL 33305 (305)565-6715 Walter J Sullivan, President

Babcock & Wilcox Company Computer Services

See: McDermont Inc.

Baird Corp. 125 Middlesex Turnpike Bedford, MA 01730 (617)276-6000

Computer Services Offered: • Professional Services

**Baird Petrophysical Group** 

3300 Walnut Bend Houston, TX 77042 (713)975-8088

Computer Services Offered: • Processing

Bakco Data Inc.

85 W. Algonquin Rd., Ste. 190 Arlington Heights, IL 60005 (312) 956-1052 Jerry D. Baker, President Private Total Sales FYE 9/82: \$600,000 Est.

Computer Services Offered: • Software Products

Baker, J., & Associates Inc. 7 Dearborn St, Ste 807

Chicago, IL 60603 (312) 459-3900 Jerry P. Baker, President

Bakken & Schaefer 6051 E Dartmouth Denver, CO 80222 (303) 758-6129 J. E. Bakken, Partner

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Baldwin United Corporation

### Directory of Computer Services Companies

#### SUBSIDIARIES:

#### Baldwin-Deco Service Center

1425 Arapahoe St. Denver, CO 80202 (303) 893-3533

(303) 893-3333 John Nickerson, President Total Sales FYE 12/81: \$9,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$2,250,000 Est. Computer Services Offered: • Processing • Professional

Microsource
1425 W. 12 Place
Tempe, AZ 85281
(602) 894-9247
Jeffrey D. McKeever, President
Computer Services Offered: • Software Products

### Baldwin-Deco Service Center See: Baldwin United Corporation

### Baldwin-Deco Service Center Name changed to Baldwin Data Services

#### Baltic Company

#### SUBSIDIARIES:

III Systems, Inc. 30 Spinelli Pl. Cambridge, MA 02138 (617)868-1450 Frank T. Scott, President

Total Sales FYE 4/81: \$8,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### BancAids

See: Management and Financial Support Services

Bancology See: Pan-National Group

Bancroft Computer Systems P.O. Box 1533 West Monroe, LA 71291 (318) 388-2236 Allen Harris, President

Total Sales FYE 10/81: \$600,000 Est. Computer Services Offered: • Software Products

#### Bank Buildings Corporation

#### SUBSIDIARIES:

Marshall & Stevens

Profusion Services Offices:

Angeles, CA 90005
(213) 385-1515
Alex D. Schiak, President
Computer Services Officest: 

Products 

Profussional Services

### Bank Computer Network Corporation

10501 Delta Parkway Shorepark, 1L 60176 (312) 671-6700 Leonard Fish, President Public

Bank of America Corporation

555 California St San Francisco, CA 94137 (415)622-3456 Public

#### SUBSIDIARIES:

#### **Decimus Corporation**

1 California Street San Francisco, CA 94111 (415) 622-3717 John Margoes, President

Cptr. Svcs. Revs. FYE 12/81: \$20,000,000 Est.

Computer Services Offered: • Processing

#### DIVISIONS:

#### **Business Services**

55 California St San Francisco, CA 94137 (415) 622-3456 Francis Wetzer, SR Vice President Cptr. Svcs. Revs. FYE 12/81: \$66,900,000 Computer Services Offered: • Processing

#### Bank of New Orleans and Trust Company See: New Orleans Bancshares Inc

#### Bank Shares Inc.

Name changed to: Marquette Services Corporation.

#### Bankers Data Processing, Inc. See: Citicorp

#### Bankers Data Services See: U.S. National Bank Shares

### Banking Systems Inc.

See: General Electric Company

#### Bankmatic Systems Inc.

8835 SW Canyon Lane PO Box 25600 Portland, OR 97225 (503) 292-9246

Computer Services Offered: . Turnkey Systems

#### Bank Wire

See: American Bankers Association

#### Bardsley and Haslacher Inc. See: Business Solutions.

#### Barkett Computer Services, Inc.

P.O. Box 522197 Miami, FL 33152 (305) 592-3304

William Rafferty, President

Computer Services Offered: • Processing • Professional Services

### Barrister Information Systems Corp

1 Technology Center 45 Oak St Buffalo, NY 14203 (716)845-5010 Henry T Semmelhack, President

Total Sales FYE 3/82: \$10,774,000 Computer Services Offered: . Turnkey Systems

### Base Network Corp

333 North Michigan Ave, Ste 333 Chicago, IL 60601 (312)227-3638 Computer Services Offered: . Processing

#### Basic American Industries

#### SUBSIDIARIES:

#### Medical Engineering Inc

2675 Winkler Ave Ft Myers, FL 33901 (813)939-5211 Joseph Scott, President Total Sales FYE 12/81: \$2,000,000 Computer Services Offered: • Processing • Software

#### Batt Bates & Company

1407 K Street, N.W. Washington, DC 20005 (202)789-7800 Computer Services Offered: • Processing

#### **Battelle Columbus Laboratories** 505 King Ave.

Columbus, OH 43201 (614) 424-4664 Computer Services Offered: . Processing

#### BayBanks Data Services, Inc. See: Baybanks Inc.

Baybanks Inc.

### SUBSIDIARIES:

#### BayBanks Data Services, Inc.

235 Wyman Street Waltham, MA 02154 (617) 890-2700 George M. Schmeck, Jr., President Total Sales FYE 12/81: \$22,500,000 Est.
Cptr. Svcs. Revs. FYE 12/81: \$1,000,000 Est.
Computer Services Offered: • Processing

#### Bayside Holding Corp

#### SUBSIDIARIES:

#### Management Analysis Co.

11095 Torreyanna Rd San Diego, CA 92121 (714)452-5000

#### Beck, Thomas Inc.

1319 Bridgeway Sausalito, CA 94965 (415)331-1555

Total Sales FYE 6/81: \$400,000 Computer Services Offered: • Professional Services

#### Becton Dickinson & Co.

#### DIVISIONS:

#### Datamedix Route One

Sharon, MA 02067 (617) 784-7878 James Whidden, President Total Sales FYE 12/81: \$20,000,000 Computer Services Offered: . Turnkey Systems

### Bedford Computer Systems

See: Distributed Systems Corp.

#### Bell & Murphy and Associates Inc (BMA)

4100 McEwen Rd,Ste 260 Dallas, TX 75234 (214)386-0252 Computer Services Offered: • Processing • Professional Services

#### Benefacts Inc.

See: Alexander & Alexander, Inc.

#### Beneficial Computer Services Inc See: Beneficial Standard Corp.

#### Beneficial Standard Corp

3700 Wilshire Blvd Los Angeles, CA 90010

#### SUBSIDIARIES:

#### Beneficial Computer Services Inc

3700 Wilshire Blvd Los Angeles, CA 90010 (213)381-8737 Raul Cruz, President Total Sales FYE 12/81: \$5,900,000 Computer Services Offered: • Processing

#### Benton, Schneider & Associates GAINS Marketing Group

2021 Spring Rd. Oak Brook, IL 60521 (312) 325-9444 William Benton, President Private

#### Bergen Brunswig Corporation

### Directory of Computer Services Companies

#### SUBSIDIARIES

Bergen Brunswig Data Services Co. 22351 S. Wilmington Ave. Carson, CA 90745 Carson, CA 90/45 (213) 549-4040 Tony Vallario, President Total Sales FYE 8/82: \$2,400,000 Est. Computer Services Offered: • Processing • Turnkey

Bergen Brunswig Data Services Co. ee: Bergen Brunswig Corporation

### Bergman, Gary Associates

14 Hickory Ln. New Brunswick, NJ 08902 (201) 247-2727

Berkshire Bank and Trust Co. Automated Customers Service See: Conifer Group, Inc.

Berman Associates 101 East Holly Ave. Suite 14 Sterling, VA 22170 (703) 450-5000 Lon Berman, President

Computer Services Offered: . Software Products . Professional Services

#### Bernhard, Arnold & Co., Inc.

711 3rd Ave. New York, NY 10017 (212) 687-3965 Arnold Bernard, Chairman

Computer Services Offered: • Processing

#### DIVISIONS:

#### Value Line Data Services

711 Third Avenue New York, NY 10017 (212) 687-3965 Dorothy Berry, President

### Berton Group Inc.

235 E. 31st St. New York, NY 10016 (212) 682-2274 Gerald Berton, President

### BETAC Corporation 1401 Wilson Blvd Arlington, VA 22209

(703)243-9200 Earl Lockwood, President Total Sales FYE 9/80; \$4,700,000 Fst. Computer Services Offered: • Professional Services

### Better Methods Software Corp 315 W Jefferson Blvd

South Bend, IN 46601 (219) 236-4020

Computer Services Offered: . Software Products

#### Bibliographic Retrieval Services Inc. See: Indian Head, Inc.

### Bitek International Corporation

3200 E. 29th Street Long Beach, CA 90806 (213) 426-5927

#### Black, David R & Associates, Inc.

20 Parkway View Dr Pittsburg, PA 15205 (412)787-5100 David R Black, President Private Total Sales FYE 7/82: \$1,400,000 Fst. Computer Services Offered: • Software Products

#### Blackhawk Data Corporation 200 N. Michigan Avenue

Chicago, IL 60601 (312) 236-8473 John D. Brink, President Total Sales FYE 10/80: \$590,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Blank, Joseph R., and Associates Inc. 2821 Covert Road

Glen View, IL 60025 (312) 724-3519 Joseph R. Blank, President Private Computer Services Offered: . Software Products . Professional Services

#### Bloodstock Computer Services 1750 Alexandria Drive P.O. Box 4097 Lexington, KY 40504

### Boeing Company, The

#### DIVISIONS:

#### Boeing Computer Services Company 7980 Gallows Court

Vienna, VA 22180 (703)827-4244 Robert W. Tharrington, President Total Sales FYE 12/81: \$444,492,000 Cptr. Svcs. Revs. FYE 12/81: \$144,492,000 Computer Services Offered: • Processing • Software Products • Professional Services

#### Boeing Computer Services Company See: Boeing Company, The

**Boise Cascade Computing** See: Boise Cascade Corporation

**Boise Cascade Corporation** 

#### DIVISIONS:

### **Boise Cascade Computing**

One Jefferson Square Boise, ID 83728 (208) 384-6100 John Frey, CEO

Computer Services Offered: • Processing • Professional

### Bolt Beranek and Newman, Inc.

10 Moulton St Cambridge, MA 02238 (617)497-1850 Stephen R Levy, President Public

Total Sales FYE 6/82: \$69,217,500 Cptr. Svcs. Revs. FYE 6/82: \$30,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### **BBN** Computer Corporation

68 Moulton St Cambridge, MA 02238 (617)497-2929 Michael P. LaVigna, President Computer Services Offered: • Software Products

### Bonner & Moore Associates

2727 Allen Parkway Houston, TX 77019 (713) 522-6800 Joe F. Moore, President Private

### SUBSIDIARIES:

#### Bonner & Moore Computing Co. 2727 Allen Parkway

Houston, TX 77019 (713)522-6800 James C. Green, President Total Sales FYE 10/81: \$3,200,000 Computer Services Offered: • Processing • Turnkey Systems

#### Bonner & Moore Computing Co. See: Bonner & Moore Associates

#### SUBSIDIARIES:

### Institute for Software Engineering (ISE)

535 Middlefield Rd, Ste 200 Menlo Park, CA 94025 (415)493-0300 David R Vincent, General Manager Computer Services Offered: 

Professional Services

### Boole & Babbage, Inc.

510 Oakmead Parkway Sunnyvale, CA 94086 (408) 735-9550 Jack E. Van Kinsbergen, President Total Sales FYE 9/81: \$12,300,000 Computer Services Offered: • Software Products

## Booz Allen & Hamilton Inc. Dept. N-1, 245 Park Avenue

New York, NY 10017 (212) 880-9496 J.B. Farley, Sr Vice President Cptr. Svcs. Revs. FYE 12/81: \$16,000,000 Est. Computer Services Offered: • Professional Services

### Borg Enterprises

#### DIVISIONS:

## DCD Company

1601 West River Rd, North Minneapolis, MN 55411 (612)588-0551 Computer Services Offered: • Software Products

### Boston Financial Data Services

See: State Street Bank

### Boston Systems Office (The), Inc.

469 Moody St. Waltham, MA 02154 (617) 894-7800 Michael Rooney, President Private Total Sales FYE 3/81: \$2,000,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

### Bosworth & Associates

9 Forest Drive Plainview, NY 11803 (516) 938-8223 Sy Bosworth, President Private

### Bowers and Davis, Consultants and Engineers

#### SUBSIDIARIES:

### Dedicated Minisystems for Banking Inc.

158 Fallow Field Rd Fairfield, CT 06430 (203) 259-6462 Dan M. Bowers, President

### Bowne & Company, Inc.

#### SUBSIDIARIES:

### Bowne Information Systems, Inc.

161 Water St New York, NY 10038 (212) 952-4400 William B. Mahony, President Total Sales FYE 10/81: \$13,077,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Bowne Information Systems, Inc.

See: Bowne & Company, Inc.

### Directory of Computer Services Companies

### Bradford Business Systems Inc.

4920 Barranca Parkway Irvine, CA 92714 (714)857-2462 Russ Bradford, President

Computer Services Offered: • Software Products • Professional Services

### **Bradford National Corporation**

67 Broad St. New York, NY 10004 (212) 530-2400 Peter DelCol, President

Public Total Sales FYE 12/81: \$130,628,000 Cptr. Svcs. Revs. FYE 12/81: \$119,967,000 Computer Services Offered: • Processing • Professional

### Bradmark Computer Systems, Inc.

4446 Main St Buffalo, NY 14226 (716)839-5509

Computer Services Offered: . Software Products

Brandon Applied Systems, Inc.
Name changed to: Rand Information Systems, Inc.

#### Brandon Consulting Group, Inc. See: IMS Systems Corporation

Brault, Strauchman Associates 1 Northfield Plaza Troy, MI 48098 (313) 879-6300

Del Brault, President Private

Total Sales FYE 11/81: \$1,400,000 Computer Services Offered: • Professional Services

### SUBSIDIARIES:

## Data Input Services Corp. 1 Northfield Plaza

Troy, MI 48098 (313)879-6304 Doug Camper, President Computer Services Offered: • Processing

### Breen Systems Management Inc. (BSM)

27 Commerce St Williston, VT 05495 (802) 863-1343 James L. Breen, Jr., President

Private Computer Services Offered: • Turnkey Systems

### Breuer and Co.

55 Middlesex Turnpike Bedford, MA 01730 (617)273-4560

Computer Services Offered: • Software Products

#### Bridge Data Co. See: Bridge Holding Co.

Bridge Holding Co.

### SUBSIDIARIES:

Bridge Data Co.

10050 Manchester Rd St. Louis, MO 63122 (314)821-5660 Jim Yates, President

Computer Services Offered: • Processing • Professional

Bridge, The Burlingame, CA 94010 (415) 348-5880 Larry Rebick, President

### Bristol Information Systems Inc.

P.O. Box 2133 84 N. Main Street Fall River, MA 02722 (617) 679-1051 Fredric Gottlieb, President Private Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### British Petroleum

#### SUBSIDIARIES:

### Systems Control Group

1801 Page Mill Road Palo Alto, CA 94304 (415) 494-1165 Philip E. Merritt, President Private Total Sales FYE 12/81: \$25,000,000
Cptr. Svcs. Revs. FYE 12/81: \$22,000,000
Computer Services Offered: • Professional Services

### Britton-Lee Inc

#### SUBSIDIARIES:

Insac Software Inc. 2300 Peachtree Road Suite 3235 Atlanta, GA 30338

(404)452-7676 Joseph Ganem, President Total Sales FYE 12/80: \$3,500,000 Est. Computer Services Offered: • Software Products

### Brokerage Software Systems Inc

Brokerage Transaction Services Inc. See: Control Data Corporation

### **Brookings Institution Social Science**

Computation Ctr 1775 Massachusetts Ave, N.W. Washington, DC 20036

(202)797-6181 Computer Services Offered: • Processing • Professional Services

### Brown and Root

See: Halliburton Company

### Brown Computer Center

See: National Education Corporation

### Brown's Data Processing Service Center

1700 S. Eastwood Dr. Box 728 Woodstock, IL 60098 (815) 338-1200

Wayne L. Brown, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Bryce, M. and Associates Inc.

1248 Springfield Pike Cincinnati, OH 45215 (513) 761-8400 Milt Bryce, President

Private
Total Sales FYE 9/80: \$2,500,000 Est.
Computer Services Offered: • Software Products

### Buckeve Federal Savings & Loan

SUBSIDIARIES

## Applied Financial Technology Inc. (AFTECH)

42 East Gay St., Suite 506 Columbus, OH 43215 (614) 224-8460 Richard R. Tozzi, President Computer Services Offered: • Processing

### Buckingham Financial Services Inc

Name changed to: Illinois Stock Transfer

### **Budco Data Systems**

2650 Dalemead Street Torrance, CA 90505 (213) 325-4308 Forrest Coling, President

Computer Services Offered: • Software Products • Professional Services

### **Budget Computer Systems**

7283 Engineer Rd San Diego, CA 92111 (714)560-7344 Kenneth V Ball, President Private

Total Sales FYE 5/82: \$4,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Turnkey Systems

### Froducts • Turnkey Systems

Budget Timeshare Inc
4739 Alla Rd
Marina Del Rey, CA 90291
(21)821-5973
Total Sales FYE 6/81: \$8,000,000 Est.
Computer Services Offered: Processing • Software
Products • Professional Services

### Bunker Ramo Information Systems Acquired by Allied Corporation

### Burlington Data Processing Inc.

1500 Shelburne Rd. Burlington, VT 05401 (802) 658-2664 Richard E. Tarrent, President

Private
Total Sales FYE 6/81: \$3,500,000
Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

## Burnett, Ed, Consultants Inc.

New York, NY 10016 (212) 679-0630 Ed Burnett, President Private Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### DIVISIONS:

### Midwest Systems Group

212 W Lake St
Elmhurst, IL 60126
(312) 834-0431
Robert Dale, President
Total Sales FYE 12/81: \$1,500,000 Est.
Computer Services Offered: • Software Products •
Professional Services

### **Burroughs Corporation**

Burroughs Plaza
Detroit, MI 48232
(313) 972-7000
Paul S. Mirobito, President
Public
Total Sales FVE 12/81: \$3,405,428,000 Est.
Total Sales FVE 12/81: \$317,000,000 Est.
Products \* Professional Service\* Processing \* Software
Products \* Professional Service\* Processing \* Software

#### SUBSIDIARIES:

### System Development Corporation

2500 Colorado Avenue
Santa Monica, CA 90406
(213) 820-4111
George E. Mueller, Chairman
Computer Services Offered: 

\*Products \*\* Professional Services

\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Services
\*\*Tordessional Service

### Bush, Lloyd and Associates

156 Williams St New York, NY 10038 (212)962-4004 Lloyd Bush, President Private

Total Sales FYE 12/81: \$3,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

### Directory of Computer Services Companies

#### SUBSIDIARIES:

### Applied Computer Enterprises, Inc.

Battery Park Plaza New York, NY 10004 (212)422-2111 Lloyd A. Bush, President Computer Services Offered: • Processing

Bush, Oren & Associates 960 10th St., Suite 7 Santa Monica, CA 90403 (213) 395-8801 Don Bush, President

Private Computer Services Offered: • Professional Services

### Business and Professional Software, Inc.

143 Binney St Cambridge, (617) 491-3377 David Solomont, President

Private

Total Sales FYE 7/82: \$2,000,000 Computer Services Offered: • Software Products

### Business and Technological Systems, Inc.

10210 Greenbelt Rd. Seabrook, MD 20801 (301) 794-8800

Andrew Jadwinski, President Computer Services Offered: • Software Products

#### SUBSIDIARIES:

### Computer Systems International Inc.

Aerospace Building, Suite 440 10210 Greenbelt Road Seabrook, MD 20801 (301) 794-6052 Jerry Horsewood, President Computer Services Offered: . Software Products

### Business Application Systems, Inc. (BAS)

7334 Chapel Hill Rd. Raleigh, NC 27607 (919) 851-8512

Earl Gilmore, President Private

Total Sales FYE 3/81: \$3,500,000 Computer Services Offered: . Software Products . Turnkey

Business Applications Group 5520 Ruffin Rd. Suite 101 San Diego, CA 92123 (714) 560-6343 Sel Hickman, President Private Computer Services Offered: . Processing

Business Automation Inc. 1440 S. State College Blvd. Anaheim, CA 92802 (714) 778-2021 Douglas Nation, President

Total Sales FYE 9/82: \$1,500,000
Cptr. Svcs. Revs. FYE 9/82: \$1,200,000
Computer Services Offered: • Turnkey Systems

**Business Color Graphics Inc** 

#### SUBSIDIARIES:

Infographics Inc 201 Shipyard Way, Ste E Newport Beach, CA 1981 (714) 675-4385 Stephen Slingsby, President Private

Computer Services Offered: • Processing • Turnkey

Business Computer Design
15 Spinning Wheel Dr
Hinsdale, IL 60521
(312)920-1175 Joseph Falachi, President

Private Total Sales FYE 4/81: \$1,000,000 Est.

Computer Services Offered: • Software Products • Professional Services

### Business Computer Service Inc.

1210 Smith St. Charleston, WV 25301 (304) 343-9471 Robert Payne, President Private

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### Business Computer Services Inc.

3030 N. Fairfax Dr. Arlington, VA 22201 (703)527-1424

Computer Services Offered: • Processing • Turnkey

Business Computer Systems Corp.
12 South Hull Street
Sinking Spring, PA 19608
(215) 678-6611 John Hildebrant, Jr., President Private Computer Services Offered: • Processing • Software

Business Consultants of Arizona, Inc. 5150 N. 16th St. Phoenix, AZ 85016 (602)266-0676

Products

Computer Services Offered: • Processing

#### **Business Controls Corporation** 507 Boulevard

Elmwood Park, NJ 07407 (201) 791-7661 David J. Hirschfeld, President

Private Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Business Data Services, Inc. See: American Computer Technology, Inc.

Business Data Systems 26 Arcadia Rd., Box 308 Old Greenwich, CT 06870 (203)637-8484 William Bird, President

## Business Data, Inc. See: Wallace Business Forms, Inc.

### Business EDP Services Inc.

Name changed to ESI

## Business Information Products Division See: United Telecommunications Inc.

### Business Information Systems Inc.

5128 N. Elston Avenue Chicago, IL 60630 (312) 685-7130

Albert C. Wagner, President

Computer Services Offered: • Processing

### Business Model System, Inc

2625 Butterfield Rd Oakbrook, IL 60521 (312)789-9160

(312)789-9160
Total Sales FYE 7/82: \$4,000,000 Est.
Computer Services Offered: • Software Products

### Business Planning Systems, Inc

2 North State St Dover, DE 19901 (302)674-5500

Computer Services Offered: • Software Products

### Business Programmer Services, Inc.

286 E Hamilton Ave,Ste A Campbell, CA 95008 (408)246-1500

Brooks Griffin, President

Computer Services Offered: • Processing • Software
Products • Professional Services

### **Business Service Corporation**

P.O. Box 7876 Pine Bluff, AR 71601 (501) 534-4226 John H. Talbot, III, President

Private
Total Sales FYE 8/81: \$400,000

Computer Services Offered: • Processing • Professional Services

### **Business Services**

See: Bank of America Corporation

### Business Systems Associates Inc

20942 Osborne St Canoga Park, CA 91304 Computer Services Offered: • Software Products

### **Business Systems Consultants**

1515 Mockingbird Lane Suite 411 Charlotte, NC 28209 (704) 525-5821 Computer Services Offered: • Processing Business Systems Inc.

1127 S. Mannheim Rd. Westchester, IL 60153 (312) 681-6060 Clyde Scott, President

Private
Total Sales FYE 1/80: \$300,000 Est.
Computer Services Offered: • Processing

### Business Systems Research Inc.

See: Automatic Data Processing Inc.

#### Bytek

1714 Solano Ave Berkeley, CA 94707 (415)527-1157 Alexander Pines, Manager Total Sales FYE 12/81: \$150,000

Computer Services Offered: • Software Products

#### C & C Computer Service 1142 Indian School Rd., W Phoenix, AZ 85013

(602)264-3456

Computer Services Offered: • Processing

### C & S Systems

PO Box 20843 Birmingham, AL 35216 (205) 252-0400

### C & T Management

SUBSIDIARIES:

### Data Processing & Accounting Services 50 Van Ness Avenue

San Francisco, CA 94102 (415) 621-2888 Robert Tessler, President Private Total Sales FYE 1/81: \$6,000,000

Total Sales FYE 1/81: \$6,000,000

Computer Services Offered: • Processing

### SUBSIDIARIES:

### Interactive Computer Enterprises

San Jose, CA 95150 (408)727-9691 Ron Charters, President Computer Services Offered: • Professional Services

Computer Services Offered: • Profession

### C M & M Group Inc

PO Box 6243

SUBSIDIARIES:

### Landart Systems, Inc.

140 Cedar St. 2nd Floor New York, NY 10006 (212) 227-0220 John Gilmore, President Total Sales FYE 12/81: \$3,000,000 Est. Computer Services Offered: • Processing • Professional

### Directory of Computer Services Companies

### C.A.C.I., Inc. 1815 Ft. Meyer Drive

1815 Ft. Meyer Drive Arlington, VA 22209 (703) 841-7800

William W. Fair, PH.D., President Public

Total Sales FYE 6/82: \$95,659,055

Computer Services Offered: • Processing • Software

Products • Professional Services

### **CB** Associates

.B ASSOCIATES 1350 Grant Road, Suite 12 Mountain View, CA 94040 (415) 968-8935 Fred & Bernice Deutscher, Partners Private

Computer Services Offered: • Processing

### CBA Inc.

2636 Marquette Rd. Chicago, IL 60637 (312) 471-3010 E.L. Kurowski, President

### **CBR Systems Corporation**

4401 Templeton Gap Colorado Springs, CO 80908 (303)593-7073 Kent Conard, President

### CBT Data Services Corp. 1 Constitution Plaza

Hartford, CT 06115 (203)244-4266 Harry Kilman, President

### CCH Computax Inc. See: Commerce Clearing House

Sec. Commerce Clearing Flouse

## CCH Computax Systems, Inc. See: Commerce Clearing House

### CCS

PO Box 276 San Antonio, TX 78201 (512)340-8735 Tim Shirley, President Private

Computer Services Offered: • Processing

### CDE Associates

Hooksett, NH 03106 (603) 485-5907 Stephen Ferreira, President Computer Services Offered: • Software Products

### CDS Systems, Inc.

COS Systems, IRC.
2672 Baysbore Frontage Road Suite 506
Mt. View, CA 94043
(415) 961-2007
Tauneak Yamamoto, President
Profal Sales Fyte 5/81: \$207,000
Computer Services Offered: • Software Products • Turnkey
Systems

### CFM Software Services

4 Himmel Court Coram, NY 11727 (\$16)698-8432 Computer Services Offered: • Software Products • Professional Services

#### CFS Inc. 1600 YFW Parkway

West Roxbury, MA 02132 (617) 566-0222 Richard K. Goran, President Private Total Sales FYE 4/82: \$1,000,000 Est. Cptr. Sves. Revs. FYE 4/82: \$900,000 Est. Computer Services Offered: • Software Products

### CGA Computer Associates Inc. 255 Route 520 E

Marlboro, NJ 07746 (201)946-8900 Bernard M. Goldsmith III, President Public Total Sales FYE 4/82: \$25,854,000 Computer Services Offered: • Software Products • Professional Services

### SUBSIDIARIES:

### Software Shoppe, The 5825 Glenridge Dr Bldg 1, Ste 106

Atlanta, GA 30328
(404)255-8164
James Anderson, President
Computer Services Offered: • Software Products

### DIVISIONS:

### Allen Services Corporation 212 W. National Road

212 W. National Roa Vandalia, OH 45377 (513)890-1200 A. Allen, President

### CGG Data Processing Service Inc

### CHI Corporation

21111 Chargin Blvd Cleveland, OH 44122 (216) 229-6400 Robert Bensen, President

### CIC Data Corp. 475 Northern Blvd.

Great Neck, NY 11021 (516) 466-5757 James O'Conner, President Private

Computer Services Offered: • Processing • Software Products • Professional Services

### CIS/Corp. Facilities Group Inc.

607 Mony Plaza
Syracuse, NY 13202
(315) 425-1900
Total Sales FYE 3/80: \$13,984,000
Computer Services Offered: • Turnkey Systems

### CL Systems Inc. 81 Norwood Ave Newtonville, MA 02160

(617)965-6310 Private

Total Sales FYE 6/81: \$13,900,000

Computer Services Offered: • Professional Services • Turnkey Systems

### CMC Associates Inc

755 Boylston St Boston, MA 02116 (617) 266-4933

Bruce D. McDonnell, President

Total Sales FYE 7/82: \$1,650,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

### CMC Inc

DIVISIONS:

### CMC Software

PO Box 718 Carthage, MO 64836 (417)358-8017 Roy Mayes, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### CMC Software See: CMC Inc

CMS Inc.

### SUBSIDIARIES:

### CPS - Medical Billing Systems

16000 Ventura Blvd Suite 1250 Encino, CA 91436 (213)906-0966 Marvin R. Selter, President Total Sales FYE 9/81: \$1,500,000 Est. Computer Services Offered: • Processing

### CMS Industries Inc.

See: Computer Sciences Corporation

### CMSI

234 SW Bancroft Portland, OR 97201 (503)227-0600 Computer Services Offered: • Professional Services

### **CPAids**

See: Computer Tax Service Inc

### CPS - Medical Billing Systems

See: CMS Inc.

### CPS Inc.

3701 Shoreline Dr. Wayzata, MN 55391 (612) 471-8448 Vic Rocchio, Jr., President

Total Sales FYE 12/81; \$1,000,000 Computer Services Offered: • Professional Services • Turnkey Systems

### CPU International, Inc.

See: Computer Pathways Unlimited Inc.

# CR Inc (Compensation Resources) 595 W Hartsdale Ave White Plains, NY 10607

(914)682-1461 Norman Schibuck, President Private

Total Sales FYE 12/81: \$300,000 Est. Computer Services Offered: 

Processing 

Software Products 

Professional Services

### CRC Information Systems Inc.

333 W. 34 St New York, NY 10001 (212)563-1300 Alvin L. Steinhart, President Computer Services Offered: . Processing

### CRD Associates

P.O. Box 3421 Stanford, CA 94305 (415) 327-0376 James L. Starr, Director Private

See: Commodity Research Institute

### CS Computer Systems Inc.

90 John St. New York, NY 10038 (212) 349-3535 John Czerkies, President Computer Services Offered: • Software Products • Professional Services

CSA Systems & Software 925 N. Judge Abilene, TX 79601 (915) 677-4210 R.C. Ivey, Partner

### CSEC Data Services

111 Ash Street East Hartford, CT 06108 (203) 528-9216

CSW, Inc. 4186 Manuela Ave. Palo Alto, CA 94306 (415) 941-9007 Joseph Jackson, President

Total Sales FYE 7/82: \$4,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Directory of Computer Services Companies

### CSX Corp

#### SUBSIDIARIES:

### Cybernetics and Systems Inc.

500 Water St., Rm. 410 Jacksonville, FL 32202 (904)359-3151 Jack M. Cooper, President

Total Sales FYE 12/81: \$22,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### CS2/Database International

PO Box 25404 Houston, TX 77005 (713)521-3150

(713)521-3150

Computer Services Offered: 

Software Products

### CTEC Inc.

6862 Elm St McLean, VA 22101 (703)556-7400 Edward H Bersoff, President

Private

Total Sales FYE 6/81: \$6,700,000

Computer Services Offered: • Professional Services

### CTI Limited Inc.

4455 LBJ Freeway, Ste. 810 Dallas, TX 75234 (214)661-9300 Kenneth Follansbee, President

Private
Total Sales FYE 7/81: \$1,250,000 Est.
Computer Services Offered: • Processing • Professional
Services

#### CTS Services Inc.

2720 Stemmons Freeway Suite 805 Dallas, TX 75207 (214) 637-3344 Carl Wade, President

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### **CUC** Insurance Services

See: Comp-U-Card of America

### C3 Inc.

11425 Isaac Newton Square, South Reston, VA 22090 (703) 471-6000 John G. Ballenger, President Public

Total Sales FYE 3/82: \$48,577,000 Cptr. Svcs. Revs. FYE 3/82: \$45,056,000 Computer Services Offered: • Professional Services Cable Data

3200 Arden Way Sacramento, CA 95825 (916) 485-2911 Bob Mathews, President

Private
Total Sales FYE 12/81: \$36,000,000
Computer Services Offered: • Processing • Turnkey
Systems

### Cableshare Limited

20 Enterprise Dr. P.O. Box 5880

London, ON N6A4C
(519) 686-2900
Terrence Pocock, President
Private
Total Sales FYE 8/81: \$8,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Cadlink, Inc

1872 Brummel Ave
Elk Grove Village, IL 60007
(312)228-7300
Computer Services Offered: • Software Products

### CADO Systems

#### SUBSIDIARIES:

## Interactive Management Systems, Inc. (IMS)

375 Concord Ave.
Belmont, MA 02178
(617) 489-3550
Brian Boyle, President
Total Sales FYE 6/81: \$6,000,000
Computer Services Offered: Processing \* Software
Products \* Professional Services \* Turnkey Systems

### Cado Systems of MD, Inc.

See: Data Inc.

### Cahill and Company

111 Wright Street LaSalle, IL 61301 (815) 233-0102 Ron Borelli, Vice President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Caine, Farber, & Gordon Inc.

750 E. Green Street Pasadena, CA 91101 (213) 449-3070

### Cal-Western Econometrics

11642 Knott Blvd., Suite 18
Garden Grove, CA 92641
(714) 898-9244
Deno Benedetti, Controller
Private
Computer Services Offered: • Processing

### Calculogic Corporation

2929 Broadway New York, NY 10027 (212) 866-9515

Joseph Lopatin, President Private

Computer Services Offered: • Processing • Professional Services

### Calculon Corporation

See: Calculon U.S. Corporation

### Calculon Operating Service

See: Calculon U.S. Corporation

### Calculon U.S. Corporation

DIVISIONS:

### Calculon Corporation

121 North Broad St. Philadelphia, PA 19107 (215) 491-8200 Raymond LeKashman, President

Total Sales FYE 12/81: \$13,000,000 Est.

Computer Services Offered: • Professional Services

#### SUBSIDIARIES:

### Calculon Operating Service

121 North Broad Street Philadelphia, PA 19107 Raymond LeKashman, President

Computer Services Offered: • Professional Services

### California Computer Timesharing Co.

389 Conners Ct., Ste. F Chico, CA 95926 (916) 895-9122 David Morgan, President

### California Interactive Computing, Inc.

10100 Santa Monica Blvd. Suite 220 Los Angeles, CA 90067 (213) 557-2424 Computer Services Offered: • Software Products

### California Minicomputer Systems Inc.

5534 Westlawn Ave Los Angeles, CA 90066 (213)390-9521 Robert D. Mowry, President Total Sales FYE 7/81: \$5,000,000 Est. Computer Services Offered: • Turnkey Systems

### California Software Products

525 North Cabrillo Park Dr.
Santa Ana, CA 92701
(714) 973-0440
Peter Warkenton, President
Private
Total Sales FYE 5/80: \$1,300,000 Est.
Computer Services Offered: • Software Products

### California Software, Inc

3250 Wilshire Blvd, Ste 900 Los Angeles, CA 90010 (213)383-8333 Computer Services Offered: • Software Products

### California Systems Associates

2845 Mesa Verde Dr, E Suite 4 Costa Mesa, CA 92626 (714)546-9716 Computer Services Offered: • Software Products

### Call Computer

1961 Old Middlefield Mt. View, CA 94043 (415) 964-5331 Alex Kamradt, President Private

Total Sales FYE 6/82: \$900,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### CallData Systems, Inc.

20 Crossways Park North Woodbury, NY 11797 (516) 575-6615 Computer Services Offered: • Processing

### Calma Company

See: General Electric Company

### Calspan Corporation Advanced Technology

See: Arvin Industries, Inc.

#### Caltec, Inc. 5415 Secor Rd.

5415 Secor Rd. Toledo, OH 43623 (419) 475-4633 William C. Spaman, President

#### Camac, Inc. 2544 E University Dr Ste 520

Phoenix, AZ 85034 (602) 957-8421 Volini, President Computer Services Offered: • Software Products • Turnkey Systems

### Cambar Business Systems Inc

PO Box 10067

Charleston, SC 29411
(803)554-9550
Roger K Davis, President
Private
Total Sales FYE 12/82: \$2,500,000 Est.
Computer Services Offered: • Processing • Software

### Cambridge Computer Associates, Inc.

222 Alewife Brook Parkway Cambridge, MA 02138 (617) 868-1111 Victor Oppenheimer, President Private

### Directory of Computer Services Companies

### Cambridge Systems Group, The

24275 Elise Los Altos Hills, CA 94022 (415)941-4558 Shawn McLaren, Director

Private Total Sales FYE 7/80: \$1,650,000 Est. Computer Services Offered: . Software Products

# Cammack Consulting Agency, Inc. 1532 Varnum St,NW Suite 100 Washington, DC 20011 (202)337-4893

Computer Services Offered: • Processing • Professional

### Canada Systems Group

2599 Speakman Dr. Mississauga, ON L5K1B (416) 822-5200 W W Beairsto, Vice President Private

Trivate
Total Sales FYE 12/81: \$84,566,000
Cptr. Svcs. Revs. FYE 12/81: \$71,594,900
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

### Canadian M.S.P. Software Products

120 Norfinch Dr. Downsview, ON M3N1X (416) 663-8640 Steve Ginsburg, President

Computer Services Offered: . Software Products

# Candle Corporation 10880 Wilshire Blvd 24th Floor Los Angeles, CA 90024

(213)470-2277 Aubrey Chernick, President

Total Sales FYE 12/81: \$20,000,000 Est.

Computer Services Offered: 
Software Products

### Cannon Computer Company

10300 N. Central Expwy,Ste 270 Dallas, TX 75231 Dallas, 18 (523) (214)691-3062 Del Cannon, President Total Sales FYE 7/82: \$1,000,000 Computer Services Offered: • Processing • Software Products

### CAP Gemini Sogeti

### SUBSIDIARIES:

CAP Gemini, Inc. 301 Maple Ave West 4th Floor 301 Tower Vienna, VA 22180 (703) 938-2207 Leonard Jacoby, Chairman Computer Services Offered: • Professional Services

### DASD Corporation

9045 N. Derwood Drive Suite 301
Milwaukee, WI 53223
(414) 355-3405
Martin R. Marshall, President
Total Sales FYE 4/81: \$233,050,000
Computer Services Offered: • Software Products • Professional Services

Spiridellis & Associates, Inc. 133 Avenue of the Americas New York, NY 10036 (212) 221-7270 Nikolaous T. Spiridellis, President

Private Total Sales FYE 12/81: \$16,000,000 Computer Services Offered: • Processing • Professional

### SUBSIDIARIES:

### Advanced Technologies Group

133 Avenue of the Americas New York, NY 10036 (212) 221-7270 Computer Services Offered: • Software Products

### CAP Gemini, Inc. See: CAP Gemini Sogeti

### CAP Group Ltd

### SUBSIDIARIES:

CAP-CPP Inc. 521 Fifth Avenue 34th Floor New York, NY 10175

(212) 599-7000 Mel Bass, President Computer Services Offered: • Professional Services

## CAP-CPP Inc. See: CAP Group Ltd

Capcom Systems, Inc. 695 Northwest 115th Street Miami, FL 33168 (305) 685-6368 A.J. Capodiferro, President Private Total Sales FYE 12/81: \$750,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

## COM Services Inc.

695 Northwest 115th St. Miami, FL 33168 (305)685-0044 John Critten, President
Computer Services Offered: 

Processing

Capex
See: Computer Associates International, Inc.

### Capitol Bancorporation

1 Bulfinch Place Boston, MA (617)723-5300

#### SUBSIDIARIES:

Key Entry Inc.

1 Bullinch Place
Boston, MA 02114
(617)723-5300
John G Marsh, President
Total Sales FlyE 1/80: \$283,654
Computer Services Olfered: • Processing

### Capitol City Computer Services

See: Sedalia Computer Services, Inc.

Cappelletti, John Associates See: Computer Contractors Assn., Inc.

Capro Inc

12781 Pala Dr Garden Grove, CA 92641 (714)891-1109 Computer Services Offered: . Software Products

CAPSCO Software Canada Ltd.

562 Edlington Ave. East Toronto, ON (416) 489-3744

Cara Corporation

225 South 15th St. Philadelphia, PA 19102 (215) 735-2000 Soleman R. Pollack, PH.D., President

Cara Corporation

611 E. Butterfield Rd. Suite 110 Lombard, IL 60148 (312) 654-2405 Anthony Durkin, President Private Total Sales FYE 9/81: \$4,000,000 Est. Computer Services Offered: • Software Products • Professional Services

CARDS Inc.

316 Main St. Elida, OH 45807 (419) 331-3060 Mark Kitson, President Private

Total Sales FYE 12/80: \$1,250,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Cardware Inc. 5301 Harford Road

Baltimore, MD 21214 (301) 426-2102 Dolores Teisinger, President Total Sales FYE 6/80: \$2,500,000 Est. Computer Services Offered: • Processing

Care Computer Systems 1720 130th Avenue N.E. PO Box 1408 Bellevue, WA 98009 (800)426-2675 James Ingalls, President Total Sales FYE 9/81: \$3,500,000 Computer Services Offered: . Processing . Software Products . Turnkey Systems

Care Information Systems Inc

3009 S Sixth St Springfield, IL 62703 Computer Services Offered: • Software Products

Career Systems

425 East 52 St New York NY 10022 (212)308-4410 Total Sales FYE 7/82: \$314,000 Computer Services Offered: • Processing

Career Systems Inc.

1675 Palm Beach Lake Blvd Form 3 Ste 903 West Palm Beach, FL 33401 (305)689-3337 Dale Learn, President Private Total Sales FYE 12/81: \$700,000 Est. Computer Services Offered: • Processing

Carleton Corporation 44 Bromfield St

Boston, MA 02108 (617) 482-9870 Robert Wilbur, President Private Total Sales FYE 2/82; \$1,000,000 Est. Computer Services Offered: • Software Products

### Carlson Marketing Group

SUBSIDIARIES:

Maple Plain Company

12755 State Hwy 55 Minneapolis, MN 55359 (612)540-5192 Total Sales FYE 12/81; \$5,000,000 Cptr. Svcs. Revs. FYE 12/81: \$4,500,000 Computer Services Offered: . Processing

### Carlton Financial Systems

SUBSIDIARIES:

Datalink Systems Inc.

1818 Commerce Drive P.O. Box 1316 South Bend, IN 46624 (219) 232-3023 Joseph Pitts, President Total Sales FYE 7/80: \$1,000,000 Est. Computer Services Offered: . Processing

Carolina Business Computers Inc.

Oakwood Center, 350 3rd Ave. N Hickory, NC 28601 (704) 322-6005 John R. Goodwin, Partner Total Sales FYE 6/80: \$175,000 Est.

Cptr. Svcs. Revs. FYE 6/80: \$150,000 Est. Computer Services Offered: • Turnkey Systems

### Directory of Computer Services Companies

### Carta Associates Inc.

325 Gordon Dr Lionville, PA 19353 (215)363-5500 Philip Carta, President

Private Total Sales FYE 7/82: \$1,000,000

Computer Services Offered: • Software Products •

Professional Services

#### Carter Associates Name Changed to Harfst Associates Inc.

Cascade Data Inc. 6116 Parview Dr,SE Grand Rapids, MI 49506 (616) 942-1420

Robert J. McAndrews, President

### Cash Management Systems, Inc.

408 Valley Crest Dr. Suite E200 Mogadore, OH 44260 (216) 699-6426 Gary Hendrickson, President Private

Computer Services Offered: • Software Products • Professional Services

Casper Processors Inc PO Box 570 Mills, WY 82644 (307)235-6616 Computer Services Offered: • Processing

### Catallatics, Inc.

See: Sun Information Services

# Catalyst USA Inc

220 Oak St Grafton, WI 53024 (414)377-9400 Dennis Templar, President

Total Sales FYE 7/81: \$2,000,000 Est. Computer Services Offered: • Turnkey Systems

Cbord Group Inc. (The) 110 Meadow St., N. Ithaca, NY 14850 (607) 272-2410 John E. Alexander, President

Private Total Sales FYE 6/82: \$900,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

### Celina Financial

SUBSIDIARIES:

### Midwest Data Systems, Inc.

Insurance Square P.O. Box 108 Celina, OH 45822 (419)586-5180 Russel E. Scaub, President Russel E. Scaub, President Total Sales FYE 12/80: 56,604,702 Cptr. Svcs. Revs. FYE 12/80: \$5,550,000 Est. Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Censor & Company 201 East 25th Street

New York, NY 10010 (212) 679-5662 John Censor, Managing Partner

### Centennial Computer Services Inc.

One Northside-75 Suite 108 Atlanta, GA 30318 (404) 352-3838 James E Pierce, President Private Total Sales FYE 1/81: \$300,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Center for Cobol Software, Inc.

1850 Lee Rd., Ste. 304 Winter Park, FL 32789 (305)629-1023 R.P. Conniff, President Private

Total Sales FYE 12/80; \$250,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

### Center Fuel

SUBSIDIARIES:

### Universal Data Inc.

5401 N. 76th Street

Milwaukee, WI 53218 (414) 462-7400 Allan Kelling, President Private Total Sales FYE 9/80: \$575,000 Computer Services Offered: • Processing • Professional

### Services • Turnkey Systems Central Bank & Trust

SUBSIDIARIES:

### BMA Data Processing, Inc.

1174 East 2700 South Suite 21 Salt Lake City, UT 84106 (801) 486-0033 Paul Evans, President

### Central Bank Corporation

DIVISIONS:

### Central Trust Company, The Computer Services Department

310 Race Street Cincinnati, OH 45202 (513) 651-8000 Oliver W. Birckhead, Chairman Computer Services Offered: . Processing

Central Banking System

#### SUBSIDIARIES:

Computer Dynamics Inc.

Oakland, CA 94621 (415) 635-5800 Robert Smith, President Private

Central Computing Company
See: Citizens National Bank

Central Credit

PO Box 26777 Las Vegas, NV 89126 (702)876-3639 Tod Early, President

Tod Early, President
Computer Services Offered: • Processing

Central Data Processing Inc.

8007 Cryden Way Forestville, MD 20784 (301)568-4900 Computer Services Offered: • Processing

Central Data Processing Inc.

7608 North Hudson Oklamhoma City, OK 73116

(405)843-9949
Computer Services Offered: • Processing

Central Data Systems 23880 Industrial Park Dr. Farmington Hills, MI 48024 (313) 478-7000

(313) 478-7000 Stanley Saladyk, President Private

Central National Bank of Cleveland See: Centron Bancshares Corporation

Central Systems Incorporated

4440 Sigma Rd Dallas, TX 75234 (214)239-8511 Carol Maxwell, President

Trivate

Computer Services Offered: • Software Products • Turnkey
Systems

Central Trust Company, The Computer Services Department

See: Central Bank Corporation

Centre Mark Company
Acquired and merged with Distribution Sciences, Inc.

Centron Bancshares Corporation

SUBSIDIARIES:

Central National Bank of Cleveland

800 Superior Ave. Cleveland, OH 44114 (216) 344-3000 Wilson M. Brown, Jr., President Centurion

See: Electronic Data Systems Corporation

Century Analysis Inc.

Pacheco, CA 94553 (415) 680-7800

Computer Services Offered: • Professional Services

Cerritos Computer Services

4320 Atlantic Ave, Ste. 1 Long Beach, CA 90807 (213)424-6403 Computer Services Offered: • Turnkey Systems

Computer Services Offered: • Turnkey Systems

Chain Store Systems Ltd

303 Wacker, E. Chicago, IL 60601 (312)938-0171 Charles C. Fitzmorris, Jr., President

Chama Corporation 5384 University Ave.

San Diego, CA 92105 (714) 287-5790 Chuck Phillips, President

Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Champion Service Corporation See: Citizens Financial Corporation

Chang Laboratories Inc.

10228 North Stelling Rd Cupertino, CA 95014 (408)725-8088 Darhsiung Chang, President

Computer Services Offered: • Software Products

Channel Systems International

4129 State Street Santa Barbara, CA 93110 (805) 967-2110 Computer Services Offered: • Software Products

Chapman & Associates

29605 SeaHorse Cove Laguna Niguel, CA 92677 (714)494-4163

Computer Services Offered: • Software Products

Charter Information Corp

2421 Rutland Dr Austin, TX 78758 (512)835-1111

(512)835-1111

Computer Services Offered: • Turnkey Systems

Charter Medical Corporation

#### DIVISIONS

Medical Data Services 905 South Lake Blvd Richmond, VA 23236

(804) 643-0231 Robert Porter, President Total Sales FYE 9/81: \$9,057,000 Computer Services Offered: • Processing • Turnkey

Chase Econometrics/ Interactive Data Corporation

See: Chase Manhattan Bank, N.A.

## Chase Manhattan Bank, N.A.

### SUBSIDIARIES:

Chase Econometrics/ Interactive Data

Corporation

OPPOPATION
486 Totten Pond Road
Waltham, MA 02134
(617) 890-1234
Carl G Wolf, Chief Operating Officer
Total Sales FYE 12/81: \$80,000,000
Computer Services Offered: • Processing • Professional

#### SUBSIDIARIES:

Interactive Data Services, Inc. 22 Cortlandt Street New York, NY 10007 (212) 285-0700 Martin Ryan, President
Computer Services Offered: 
Software Products

### DIVISIONS:

Dynamics Associates

1033 Massachusetts Avenue Cambridge, MA 02138 (617) 492-7500 J Philip Cooper, President

Chase-TCMS

560 Mission St. San Francisco, CA 94105 (415)495-8877 Charlie Gibbs, President
Total Sales FYE 12/81: \$3,300,000 Est.
Computer Services Offered: • Processing

Computer Power Inc.

del Riverside Avenue P.O. Box 2388 Jacksonville, FL 32204 (904) 358-1424 David M. Hicks, President Total Sales FYE 12/81: \$19,800,000

Computer Services Offered: • Processing • Software

Products • Professional Services

Managistics Inc. 1633 Broadway, 18th Fl New York, NY 10019 (212)246-6220 Donald Levy, President

Total Sales FYE 12/81: \$7,000,000 Est. Computer Services Offered: • Processing

Chase-TCMS

See: Chase Manhattan Bank, N.A.

Cheltonian Inc See: Cheltonian Ltd

### Cheltonian Ltd

### SUBSIDIARIES:

Cheltonian Inc

10085 West Park Dr,Ste C Houston, TX 77042 (713)781-2300 Tony Welsh, General Manager Total Sales FYE 12/81: \$2,200,000 Est. Computer Services Offered: . Turnkey Systems

### Chemical Abstracts Services (CAS)

PO Box 3012 Columbus, OH 42310 (614)421-6940 Computer Services Offered: • Processing

ChemShare Corp See: Texas McCan

Chi/Cor Information Management Inc

10 S Riverside Plaza Chicago, IL 60606 (312)454-9670 Computer Services Offered: . Software Products

Chicago Computer Services, Inc.

N Riverside Plaza, Rm 1135 Chicago, IL 60606 (312) 782-7823 John Munro, President

### Chicago Title & Trust Company

#### SUBSIDIARIES:

Hall and McChesney

P.O. Box 4889 Syracuse, NY 13221 (315) 422-3131 Frank J. Ruck, President Computer Services Offered: . Processing

Chilton Corp 12606 Greenville Ave Dallas, TX 75221

(214)699-6111 Bob Chilton, Chairman Public Total Sales FYE 3/82: \$44,000,000 Cptr. Svcs. Revs. FYE 3/82: \$8,000,000 Computer Services Offered: . Processing

## CHIPS, Inc.

2923 Elm Place Reading, PA 19609 (215) 373-5146 Kerry L. Klick, President

Total Sales FYE 3/81; \$366,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Chubb & Son, Inc.
51 John F. Kennedy Parkway
Short Hills, NJ 07078 (201) 467-6000 Henry N. Harder, President

Private Cptr. Svcs. Revs. FYE 12/81: \$500,000 Est.

Computer Services Offered: 

Processing 
Software

Church Data Associates (CDA)

6378 N. College Ave. Indianapolis, IN 46220 (317) 251-9101 Dave Wheeless, President Private

Total Sales FYE 12/80; \$118,000 Computer Services Offered: • Processing • Software Products

Cincom Systems Inc.

2300 Montana Avenue Cincinnati, OH 45211 (513) 662-2300 Thomas M. Nies, President Total Sales FYE 9/81: \$43,000,000 Computer Services Offered: • Software Products • Professional Services

Circle Software Corporation

1100 31ST ST,Ste 240 Downers Grove, IL 60515 (312)960-2902 E Klemens, President Computer Services Offered: • Software Products • Professional Services

CISI Group

SUBSIDIARIES:

CISInetwork CORPoration

16625 Saticoy Street Van Nuys, CA 91406 (213) 781-8221 Bill Barancik, President

SUBSIDIARIES:

Proprietary Computer Systems, Inc.

16625 Saticoy St. Van Nuys, CA 91406 (213) 781-8221 Bill Barancik, President Private Total Sales FYE 4/82: \$12,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

UNI-COLL Corporation

3401 Science Center Philadelphia, PA 19104 (215) 387-3890 James D. Gallagher, President Total Sales FYE 4/81: \$9,200,000 Computer Services Offered: • Processing • Professional Services

CISInetwork CORPoration

See: CISI Group

Citibank NA

See: Citicorp

Citicorp 399 Park Avenue

New York, NY 10043 (212) 559-1000 Cptr. Svcs. Revs. FYE 12/81: \$47,500,000 Est. Computer Services Offered: . Processing

SURSIDIARIES:

Citibank NA

399 Park Avenue New York, NY 10022 (212) 559-3230

SUBSIDIARIES:

Bankers Data Processing, Inc.

150 Tremont Boston, MA 02111 (617)357-5670

Citicorp Remote Computer Service - PG

Data Center Memory Lane Garrettsville, OH 44231 (216) 527-2108 David James, Vice President Computer Services Offered: • Processing

Colorado Computer Center, Inc.

1080 Cherokee Denver, CO 80204 (303) 534-6622 L. R. Kintzele Jr., President Private

Computer Professionals Unlimited, Inc. 16025 Northland Drive

Southfield, M1 48075 (313) 557-5577 Ralph Klinck, President Private

Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems Financial Data Systems, Inc.

463 New Ballas Rd. S. St. Louis, MO 63141 (314)567-1940 William W. Canfield, President

### Directory of Computer Services Companies

### Intercontinental Computing, Inc.

10660 Mastin Overland Park, KS 66212 (913)541-9260 Jerry Baker, President

### Southwest Data Center

3903 Hartsdale Dr. Houston, TX 77063 (713)961-9055

### DIVISIONS:

Citishare Corp.

P.O. Box 1127 399 Park Ave, 21st Floor New York, NY 10043 L.W. English, Managing Director Computer Services Offered: • Processing

### Citicorp Remote Computer Service - PG Data Center

See: Citicorp

### Citidata, Inc.

8910 Quartz Ave. Suite 1210 Northridge, CA 91324 (213) 998-2755 Robert Gottesman, President Private

Total Sales FYE 12/80: \$3,000,000 Est.

Computer Services Offered: • Processing

### Citishare Corp.

See: Citicorp

### Citizens & Southern National Bank, Computer Services Div.

99 Annex
Atlanta, GA 30399
(408) 581-2289
Bennett Brown, Chairman
Cptr. Svcs. Revs. FYE 12/79: \$3,000,000
Computer Services Offered: • Processing

### Citizens Automated Systems See: Citizens Savings Association

----

### Citizens Financial Corporation

7061 E. Pleasant Valley Rd. Independence, OH 44131 (216) 447-1740 James P Cozzens, President Public Total Sales FYE 12/81: \$6,792,573 Computer Services Offered: • Processing

### SUBSIDIARIES:

### Champion Service Corporation

Cleveland, OH 44119 (216) 692-3660 John Hall, President Total Sales FYE 12/80: \$5,661,277 Computer Services Offered: • Processing

### Citizens National Bank Computer Services Division

See: Citizens National Bank

### Citizens National Bank

#### DIVISIONS

### Citizens National Bank Computer Services Division

Landmark Mall Decatur, IL 62525 (217) 424-2200 Private

Computer Services Offered: • Processing

#### SUBSIDIARIES:

### Central Computing Company

250 North Water
Decatur, IL 62525
(217) 428-2188
Ron Sheets, President
Private
Computer Services Offered: • Processing • Professional
Services

### Citizens Savings Association

### DIVISIONS:

### Citizens Automated Systems

100 Central Plaza
Canton, OH 44702
(216) 452-9966
Larry W. Machan, General Manager
Total Sales FYE 9/81: \$3,000,000 Est.
Computer Services Offered: Processing • Software
Products • Professional Services

### Claritas

1911 N Fort Meyer Dr Arlington, VA 22209 (202)703-9220 Samuel G. Barton III, President Total Sales FYE 3/81: \$2,500,000 Est. Computer Services Offered: • Processing

### Clay Bernard Systems International (CBSI)

See: SPS Technology

### Clayton Associates

P.O. Box 90716 Los Angeles, CA 90009 (213) 670-2204 Billy B. Clayton, President

Computer Services Offered: • Professional Services

### Club Computers, Inc.

1015 Life of Georgia Tower Atlanta, GA 30308 (404) 892-0245 Computer Services Offered: • Processing

Club Data Corporation 8120 Pennsylvania Ave S.Ste 16

Minneapolis, MN 55431 (612) 929-7116 Computer Services Offered: • Processing

Clyde Digital Systems, Inc. See: Clyde Enterprises, Inc.

Clyde Enterprises, Inc.

DIVISIONS:

Clyde Digital Systems, Inc.

P.O. Box 348 6 De Angelo Dr. Bedford, MA 01730 (617)275-6642 Allan R. Clyde, President Computer Services Offered: • Software Products

Coap Planning Company

See: COAP Systems, Inc.

COAP Systems, Inc. 175 I.U. Willets Road Albertson, NY 11507

(516) 484-1920 Carl G. Paffendorf, President

SUBSIDIARIES:

Coap Planning Company

1 Plaza Rd. Greenvale, NY 11548 (516) 484-1920 Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Coast Mailing Corporation

1154 Sonora Court Sunnyvale, CA 94086 (408)733-6600 Michael Smith, President

Computer Services Offered: • Processing

Coastal Data Services Inc.

Merged with: Quanex Management Sciences

Coastal Information Systems, Inc. 13353 Alondra, Stc. 115

Santa Fe Springs, CA 90670 (213)802-2080 Allen Starczyk, President Computer Services Offered: • Software Products • Turnkey Systems

Codase Inc.

502 Franklin Avenue Nutley, NJ 07110 (201) 235-1516 Leonard Centonze, Jr., President

Cogitronics Corp

Name changed to: US Software

Cogna Systems Corporation Merged with Anacomp, Inc.

Cole, Carter L. Company 6355 Topanga Canyon Blvd. Suite 407 Woodland Hills, CA 91367 (213) 884-7169 Carter L. Cole, President Computer Services Offered: . Software Products

Colin Hochstin Co

SUBSIDIARIES:

Brokerage Software Systems Inc

120 Broadway,14th Floor New York, NY 10271 (212)571-0340 Peter Caruso, President Computer Services Offered: • Processing • Software Products . Professional Services

Collateral Investment Company

2100 First Avenue North Birmingham, AL 35203 (205) 252-1000 W. T. Ratliff, President Private

Collateral Services Inc.

See: Computer Resources

Collier-Jackson & Associates, Inc.

5406 Hoover Blvd. Tampa, FL 33614 (813) 885-6621 Charles Jackson, President Private

Total Sales FYE 12/81: \$4,450,000 Computer Services Offered: • Software Products • Turnkey

Collins & Associates Inc.

8333 Douglas Ave Dallas, TX 75225 (214)696-4575 Computer Services Offered: • Processing • Software Products

Colonial Data Systems, Inc. 8080 NE 5th Ave

Miami, FL 33138 (305)751-1304

Colonial Mortgage Service Company See: Philadelphia National Bank

### Directory of Computer Services Companies

### Colonial Penn Insurance

#### SUBSIDIARIES:

Real Estate Data

2398 NW 119th St Miami, FL 33167 (305) 685-5731 Jim Metcalf, President Total Sales FYE 12/81: \$28,000,000 Computer Services Offered: • Processing

Colorado Computer Center, Inc. See: Citicorp

Columbia Computing Services, Ltd.

1132 Hamilton S Vancouver, BC B6B2S (604) 688-8501 Jim Lenobel, President

Private Total Sales FYE 3/80: \$850,000 Est.

Computer Services Offered: • Processing • Software Products

### SUBSIDIARIES:

Columbia Computing Services Inc. 8611 S. 212th St.

Kent, WA 98031 (206)872-0283

Columbia Computing Services Inc. See: Columbia Computing Services, Ltd.

Com Code Corporation

3989 Research Park Blvd Ann Arbor, MI 48104 (313)665-8811 Charles Hoffgartner, President Private

Total Sales FYE 12/81: \$1,300,000 Computer Services Offered: • Software Products

COM Services Inc. See: Capcom Systems, Inc.

Com-pac Systems Inc. Merged with: Codase Inc.

Comarco, Inc.

100 Cerritos Ave., W. Anaheim, CA 92805 (714)535-2464 Howard Sommer, President Private

Total Sales FYE 12/81; \$11,679,000 Cptr. Svcs. Revs. FYE 12/81: \$4,000,000 Computer Services Offered: . Processing . Software Products

Combined International Corp

#### SUBSIDIARIES:

Neshaminy Valley Information Processing

Inc. (NVIP)
4850 Street Road Trevose, PA 19049 Trevose, PA 19049 (215) 322-2285 Louis F. Cimino, President Cptr. Svcs. Revs. FYE 12/81: \$10,000,000 Est. Computer Services Offered: • Processing

Comcheg Services Ltd

499 Portage Ave
Winnipeg, MB R3B2E
(204)786-6481
William Loewen, President
Computer Services Offered: • Processing • Software

Comcorp Data Systems Inc. 459 West 15th St. New York, NY 10001 (212) 242-1879 Gary N. Comorau, President

Comdata Network, Inc. P.O. Box 15822 2209 Crestmoor Rd. Nashville, TN 37215

(615)385-0400 C.W. Harter, Jr., President Public

Total Sales FYE 12/81: \$19,733,390 Computer Services Offered: • Processing

Comm-Pro Associates 350 N Sepulveda Blvd,Ste 10 Manhattan Beach, CA 90266 (213)376-1344 Steve Dubow, Partner

Total Sales FYE 7/82: \$900,000

Computer Services Offered: • Software Products • Professional Services

Command Control & Communications Corporation

23670 Hawthorne Blvd. Torrance, CA 90505 (213) 325-6883 Malcom K. Beyer, Jr., President Private Total Sales FYE 8/81: \$16,000,000 Computer Services Offered: • Professional Services

Commerce Clearing House

SUBSIDIARIES:

CCH Computax Inc.
21535 Hawthorne Blvd Metro Bank Bldg
Torrance, CA, 90503
(213)540-3881
Thomas G. Rolfe, President
Paul Sales FYE 1281: 591,911,000
Systems Services Officed: \* Processing \* Turnkey
Systems Systems

#### SUBSIDIARIES:

CCH Computax Systems, Inc. 7471 University Ave. La Mesa, CA 92041

### Commerce General Corp.

See: National Bank of Commerce

## Commercial Bank & Trust Co., Computer Services Div.

P.O. Box 1000
Paris, TN 38242
(901) 642-3341
Charles Wilson, President

Private
Cptr. Svcs. Revs. FYE 10/79: \$100,000
Computer Services Offered: • Software Products

## Commercial Computer Services, Inc. 3000 Dundee Rd. Suite 402

Northbrook, IL 60062 (312) 480-9880 Stuart Katz, President Private

Total Sales FYE 7/80: \$250,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

### Commercial Computer Services Inc.

309 West 7th Street Fort Worth, TX 76102 (817) 335-6411 W. Clark Martin Jr., President Private Total Sales FYE 4/80: \$2,250,000 Est. Computer Services Offered: ◆ Processing

### Commercial Computer Systems

P.O. Box 1403
East Lansing, M1 48823
(517) 32-6556
Peter Hasbrook, President
Computer Services Offered: • Turnkey Systems

#### Commercial Data Services Inc. 320 Glynn St. N P O Box 216

Fayetteville, GA 30214 (404)461-6083

### Commercial Products Group 3 Perimeter Rd.

Manchester, NH 03103 (603)625-4750

Computer Services Offered: • Turnkey Systems

### Commercial Programming Services Inc

7400 Metro Blvd Minneapolis, MN 55435 (612)471-8448 Computer Services Offered: • Software Products

### Commercial Resources

400 South Main Street
Naperville, IL 60540
(312) 357-1800
Al Schuster, President
Private
Total Sales FYE 12/81: \$2,800,000
Computer Services Offered: • Processing

### Commercial Software Inc.

420 Lexington Avenue New York NY 10070 (212) 490-0654 Anthony Abbott, President

Total Sales FYE 12/80: \$1,500,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Commercial Systems Corp. P.O. Box 2338

Auburn, AL 36830 (205) 821-1117

Computer Services Offered: • Software Products

### Commercial Systems Inc. See: Computer Services, Inc.

### Commercial Timesharing Inc

PO Box 1653 Akron, OH 44309 (216)253-6420

Computer Services Offered: • Software Products

### Commercial Union Leasing Corp.

115 E. 57th Street
New York, NY 10022
(212) 644-0920
Samuel J. Dressler, President
Computer Services Offered: • Processing • Software
Products

#### Commodity Information Services Company 175 W. Jackson Blvd., Ste. 102

Chicago, IL 60604 (212) 922-3661 Computer Services Offered: • Processing

### Commodity Research Institute

DIVISIONS:

#### CRI

2570 El Camino Real
Mt. View, CA 94040
(415) 941-4646
Richard F. Dumas, President
Total Sales FYE 7/81: \$825,000 Est.
Computer Services Offered: • Processing • Software
Products

### Commonwealth Bank & Trust Co. Computer Services Division

101 West 3rd St Williamsport, PA 17701 (717) 323-8611 William Davis, President Private

Computer Services Offered: • Processing

### Communication Controls, Inc.

6200 Gulf Frwy, Ste 205A Houston, TX 77023 (713)644-9094

### Communication Software Aids

80 Boylston St. Suite 618 Boston, MA 02116 (617) 426-0903 Joe Ammendolia, President

Computer Services Offered: • Software Products

### Communications Computer Services Inc

13663 Floud Circle Dallas, TX 75243 (214)238-9606 Bob Powell, President

Computer Services Offered: • Processing

### Communications Concepts

1044 Pulinski Dr. Ivyland, PA 18974 (215) 672-6900

Computer Services Offered: • Processing

### Communications Processing Group Inc.

1180 Ave of the Americas New York, NY 10036 (212)354-2211 Computer Services Offered: • Processing • Software

Products • Turnkey Systems

#### Communications Solutions Inc. 10062 Miller Ave. Ste 205

Cupertino, CA 95014 (408)725-1568 Donald H Czubek, President Total Sales FYE 1/81: \$400,000 Est.

Computer Services Offered: • Professional Services

### Community Computer Corporation

185 West School House Lane
Philadelphia, PA 19144
(215) 849-1200
Ernest L. Philips, President
Private
Computer Services Offered: • Processing

### Comp Act Data Systems Inc.

14849 Magnolia Sherman Oaks, CA 91403 (213) 783-8245 Patrick Conti, President Private Computer Services Offered: • Software Products • Professional Services

#### Comp Info Inc.

1860 Broadway
New York, NY 10023
(212) 246-7340
Yiorgas Athanassatos, President
Private
Total Sales FYE 7/82: \$1,500,000 Est.
Computer Services Offered: \* Software Products \* Professional Services \* Turkey Systems

Comp-Tron Inc.

1035 North Calvert Street Baltimore, MD 21202 (301) 752-3728 August Noack, President rivate

Computer Services Offered: • Processing

### Comp-U-Card of America

SUBSIDIARIES:

### **CUC Insurance Services**

777 Summer St Stamford, CT 06901 (203)324-9261 Rebecca Maddox, President Total Sales FYE 7/81: \$4,500,000 Est. Computer Services Offered: • Processing

Comp-U-Staff Inc

1 Investment Place, Ste 413 Towson, MD 21204 (301)828-0788 Hank Post, President

Computer Services Offered: • Professional Services

### Compac Systems Inc. 59 E. Cunningham Dr.

Palatine, IL 60067 (312) 359-8566

Compal, Inc. 6300 Variel, Ste E

Woodland Hills, CA 91367 (213) 992-4425 Mitchel Kadish, President

Private Total Sales FYE 7/82: \$3,000,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### Compass Data Services See: Popular Services

Compata, Inc.

### See: Recognition Equipment Corp.

Compdata See: Comprehensive Design, Inc. (CDI)

### Compeda Inc.

See: Prime Computer Inc.

### Compiler Systems, Inc. Acquired and merged with Digital Research

#### Complete Computer Systems 159 Gibraltar Rd.

Horsham, PA 19044 (215) 441-4200 Paul H. Plotnick, President Private

Total Sales FYE 1/82: \$1,000,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Complex Systems Inc

130 Cedar St New York, NY 10006 (212)766-4324 Gad Janay, Principal Owner Private

Total Sales FYE 7/82: \$2,500,000

### Comprehensive Design, Inc. (CDI)

### SUBSIDIARIES:

Compdata

161 Highland Avenue Needham, MA 02194 (617) 444-8350

## Comprehensive Tax Systems See: Computer Services Associates

Comptek Research Inc.

45 Oak St One Technology Center Buffalo, NY 14203 (716)842-2700 Henry P Semmelhack, President

Private
Total Sales FYE 3/82: \$21,600,000
Computer Services Offered: • Professional Services •
Turnkey Systems

### Compu-Center Company Inc.

312 Kentucky, Ste A
Bakersfield, CA 93305
(805) 323-8248
John E. Riehl, President
Private
Computer Services Offered: • Software Products

### Compu-Center, Inc.

4122 Nicklaus Corpus Christi TX 78413 (512) 883-6515

### Compu-Link Corporation

4000 N. Grand River P.O. Box 16247 Lansing, MI 48901 (517) 323-4134 Dennis Voketz, President Private Total Sales FYE 6/80: \$1,000,000 Est. Computer Services Offered: • Processing

### Compu-Share, Inc.

3824 50th Street Lubbock, TX 79413 (806)792-3785 Marvin Crossnoe, President Private Total Sales FYE 12/81: \$1,300,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Compu-Systems Corporation See: Renard Manufacturing

### Compu-Tome, Inc

668 S Sunset Ave West Covina, CA 91790 (213)960-2895

Computer Services Offered: • Software Products

### Compu/Think

965 West Maude Ave.
Sunnyvale, CA 94086
(408) 245-4033
Steven Magee, President
Private
Total Sales FYE 6/80: \$4,500,000 Est.
Cptr. Sves. Revs. FYE 6/80: \$400,000 Est.
Computer Services Offered: • Turnkey Systems

### Compucon See: Nielsen, A.C. Company

Compudata Inc.

1654 Riverdale Street West Springfield, MA 01089 (413) 737-1950 Marie Barch, President Private

### Compudata Inc.

One Bala Cynwyd Plaza Bala Cynwyd, PA 19004 (215) 667-6843

#### Compudata Systems, Inc. 772 Post Road East

Westport, CT 06880 (203) 226-4791 Paul Mastroni, President Private

### Compudial Inc

Name Changed To Tri-Star Data Systems

### Compuline Data Systems

1424 K Street, N.W. Washington, DC 20005 (202)783-2036 Computer Services Offered: • Processing

### Compumatic Business Services 327 S. LaSalle Street

Chicago, IL 60604
(312) 922-9422
Louis Morgan, President
Private
Computer Services Offered: • Processing

### Compumax Associates Inc.

PO Box 7239 Menlo Park, CA 94026 (415)854-6700 Tom Bun, President Private Total Sales FYE 12/81: \$7

Total Sales FYE 12/81: \$700,000 Est.

Computer Services Offered: • Software Products

#### SUBSIDIARIES:

### University Software

P.O. Box 4544 Stanford, CA 94305 (415)323-3365 Tom Bun, President

Computer Services Offered: • Software Products

### CompuServe Incorporated

See: H & R Block

### CompuServe Network Services

See: H & R Block

#### CompuShop 13929 Central Expwy. N Keystone Park

Dallas, TX 75201 (214)234-5412

Computer Services Offered: • Software Products

### Compuslide Inc.

1801 Century Park East Suite 1221 Los Angeles, CA 90067 (213) 556-2447

Computab Inc. 700 Bishop St, Ste 306 Honolulu, HI 96813 (808) 521-4734

Dennis W. Fitzgerald, Chairman

Total Sales FYE 3/81: \$7,000,000

Computer Services Offered: • Processing • Professional

### Computation Planning, Inc.

7840 Aberdeen Road Suite 600 Bethesda, MD 20014 (301) 654-1800 Herbert S. Bright, President

Computer Services Offered: • Software Products • Professional Services

Computax Corporation See: Commerce Clearing House

#### Computech Financial Systems, Inc. See: First Pennsylvania Bank

### Computek Computing Corporation

7489 46th Pl., E Tulsa, OK 74145 (918)622-5305 Jack Moore, President

Total Sales FYE 3/81: \$2,078,776 Computer Services Offered: . Processing . Turnkey Systems

### Computel Systems Ltd

Acquired and merged into Canada Systems Group

### Computer Accounting Systems Inc.

1235 S. Tacoma Way Tacoma, WA 98409 (206) 475-7450

Roger Brewington, President Private

Computer Services Offered: • Processing • Software

### Computer Aided Manufacturing-

International, Inc (CAM-I)
611 Ryan Plaza Dr. Ste 1107
Arlington, TX 76011
(817)860-1654

Computer Services Offered: . Software Products

### Computer Application Systems Inc.

1340 Neptune Dr Boynton Beach, FL 33435 (305)736-3500 James D. Baker, President

Total Sales FYE 6/82: \$250,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### Computer Applied Systems Inc.

497 Hill Street York, PA 17403 (717) 848-2431 Clyde R. Snyder, President

Total Sales FYE 9/81: \$900,000 Computer Services Offered: . Processing . Turnkey Systems

## Computer Assistance International Inc. 200 Park Rd.

West Hartford, CT 06119 (203) 233-9848

Thomas P. McDonagh, Jr., President Public

Total Sales FYE 1/82: \$13,226,264 Computer Services Offered: • Processing • Professional Services

### Computer Assistance, Inc.

759 Stouffer Ave. P.O. Box 412 Chambersberg, PA 17201 (717) 263-5909 William H. Kelly, President

## Private

### Computer Associates International, Inc.,

125 Jericho Turnpike Jericho, NY 11753 (516)333-6700 Charles B. Wang, President

Public Total Sales FYE 3/82: \$28,410,000

Computer Services Offered: • Software Products

### SUBSIDIARIES:

### Capex

4125 North 14th St PO Box B 13529 Phoenix, AZ 85002 (602) 264-7241

A. Leroy Ellison, President

Computer Services Offered: 

Software Products Turnkey Systems

Computer Associates Inc. 1814 South Main St. PO Box 328 A South Bend, IN 46624 (219) 232-7921

James A. Gross, President Private

Total Sales FYE 2/82: \$600,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

Computer Associates Inc. 1318 South 200 West

Salt Lake City, UT 84115 (801) 487-1391 Cecil Bohn, President Private

Total Sales FYE 3/80: \$1,200,000 Est.

Computer Services Offered: • Processing • Professional Services

Computer Automation, Inc. Naked Mini

18651 Von Karman Ave. Irvine, CA 92714 (714) 833-8830

Computer Services Offered: • Software Products

Computer Bugs (The)

P.O. Box 789
Boynton Beach, FL 33435
(305) 737-4738
James G. Baker, Owner
Private

Total Sales FYE 12/80: \$250,000 Est.

Computer Services Offered: • Software Products

Computer Center 366 U.S. Route 1 Box 941 Falmouth, ME 04105 (207) 781-2260

Systems

John Marr, President
Private
Computer Services Offered: • Processing • Turnkey

Computer Center Inc.

423 West Monument Street Baltimore, MD 21201 (301) 728-3883 Jerome Markman, President Private

Computer Center Inc. 433 Valley Ave.

433 Valley Ave. Birmingham, AL 35209 (205) 942-8567 Terry Woodward, President

Private
Total Sales FYE 4/80: \$900,000 Est.
Cptr. Sves. Revs. FYE 4/80: \$675,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Computer Center Inc. of Miami 13950 N.W. 45th Ave PO Box 285 Opa Locka, FL 33054

Opa Locka, FL 33034 (305)687-1234 Frank Nichols, President Private Total Sales FYE 12/80: \$700,000 Est. Computer Services Offered: • Processing DIVISIONS:

Computer Expertise, Inc. 13950 NW 45th Ave

Opa Locka, FL 33054 (305)687-1234 Frank Nichols, President Computer Services Offered: • Processing

Computer Company (The)
1905 Westmoreland Street

Richmond, VA 23230 (804) 358-2171 Walter R.T. Witschey, President Public Total Sales FYE 3/82: \$30,371,000 Computer Services Offered: • Processing

Computer Composition International

See: Aarkus Stistsdogtrykkeri

Computer Concepts & Services Inc. P.O. Box 1082 2625 Clearwater Road St. Cloud, MN 56302 (612) 233-2170 Daniel J. Brennan, President Private Total Sales FYE 10/81: \$5,000,000

SUBSIDIARIES:

Computer Solutions, Inc.
P.O. Box 1082 2625 Clearwater Rd.
St. Cloud, MN 56301
(612) 253-2170
Daniel J. Brennan, President
Computer Services Offered: • Turnkey Systems

Computer Services Offered: • Professional Services

Computer Concepts Inc. 6443 SW Beaverton Highway Portland, OR 97221 (503) 297-4741 Don Weidenweber, President

Computer Consoles, Inc.

97 Humboldt Street Rochester, NY 14609 (716) 482-5000 Herman Affel, President Public

Total Sales FYE 12/81: \$50,674,000

Computer Services Offered: • Professional Services •

Turnkey Systems

SUBSIDIARIES:

RLG Corporation 1760 Reston Avenue Suite 508 Reston, VA 22090

(703) 471-6860
William C. Mallonee, President
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

Computer Consultants Company 815 S. Washington Forrest City, AR 72335

Forrest City, AR 72335 (501)633-2111 Computer Services Offered: • Processing

### Computer Consultants, Ltd.

311 North Lindbergh St. Louis, MO 63141 (314) 993-5000 Louis Offstein, President

Private

Total Sales FYE 7/81: \$700,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Computer Consulting Services.

Name changed to: Cycare Systems, Inc.

### Computer Contractors Assn., Inc.

DIVISIONS:

### Cappelletti, John Associates

220 Glenoaks Blvd N,Ste D Burbank, CA 91052 (213)846-7552 John Cappelletti, President

### Computer Controls Inc.

2731 Lemmon Ave Dallas, TX 75204 (214)559-4340

Computer Services Offered: • Processing • Software Products

### Computer Corporation of America, Inc.

675 Massachusetts Ave Cambridge, MA 02139 (617)492-8860

Thomas Marill, PH.D., President Private

Total Sales FYE 12/81: \$10,100,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Computer Corral

23011 Moulton Pkwv, Ste G-6 Laguna Hills, CA 92653 (714)855-9496

Computer Services Offered: . Software Products

### Computer Covenant Corporation

Farmington Common 790 Farmington Avenue Farmington, CT 06032 (203) 677-6563 Arthur Martin, President Private Total Sales FYE 6/81: \$500,000 Cptr. Svcs. Revs. FYE 6/81: \$300,000

### Computer Services Offered: • Software Products Computer Curriculum Corporation

1070 Arastradero Rd Palo Alto, CA 94043 (415) 494-8450 Patrick Suppes, President

Total Sales FYE 6/82: \$15,000,000 Est.

Computer Services Offered: • Turnkey Systems

### Computer Data Access Inc. (CDA)

1373 Broad St. Clifton, NJ 07011 (201) 473-4700 Eric Ruttenberg, President

Total Sales FYE 12/81: \$3,000,000

Computer Services Offered: • Turnkey Systems

### Computer Data Processing Inc.

731 Dalworth PO Box 1259 Grand Prairie, TX 75051 (214) 263-4591 M.W. Procell, President

Private Total Sales FYE 12/81: \$3,000,000

Computer Services Offered: • Processing • Professional Services

### Computer Data Services

23 Lyon Ave. Brockton, MA 02403 (617) 588-6232 Wilfred Burrill, President Private

Total Sales FYE 12/79; \$100,000 Est. Computer Services Offered: • Processing

### Computer Data Services Inc.

9224 Compton Park Cincinnati, OH 45231 (513) 931-1090

Ron Messerle, President

Total Sales FYE 3/80: \$475,000 Est. Computer Services Offered: • Processing • Professional Services

### Computer Data Systems, Inc.

7315 Wisconsin Avenue Bethesda, MD 20814 (301) 657-1730 Clifford M. Kendall, President Total Sales FYE 6/82: \$25,714,000

Computer Services Offered: • Processing • Professional Services

### Computer Databanks, Inc. Merged with: Applied Data Processing Inc.

### Computer Delight

15326 Sherman Way Suite 120 Van Nuys, CA 91406 (213) 787-2354 Dave Childs, Chairman

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

### Computer Designed Systems Inc.

10911 Olson Memorial Hwy. Minneapolis, MN 55391 (612) 545-2855 Gregory T. Pulos, President Total Sales FYE 8/82: \$1,895,972

Computer Services Offered: . Turnkey Systems

### Computer Directions Advisors Inc. (CDA)

11501 Georgia Ave Silver Spring, MD 20910 (301) 565-9544 Robert A. Levy, President

### Computer Dynamics Inc.

See: Central Banking System

#### Computer Dynamics Inc. 20300 Civic Center Dr. Suite 201

Southfield, MI 48076 (313) 357-4200 Robert A. Jones, President Private Total Sales FYE 9/81: \$3,200,000

Total Sales FYE 9/81: \$3,200,000

Computer Services Offered: • Professional Services

### Computer Dynamics Inc. 4044 South 28th St.

Arlington, VA 22206 (703) 578-3000 Edward A. Singer, President Private

Computer Services Offered: • Processing • Professional Services

#### SUBSIDIARIES:

### Network Technology Inc. 4044 S. 28th St.

Arlington, VA 22206 (703) 578-3000 Edward A. Singer, President Computer Services Offered: • Software Products • Professional Services

## Computer Election Systems, Inc. See: Hale Brothers Associates

Computer Expertise, Inc.
See: Computer Center Inc. of Miami

### Computer Generation Inc.

3301 Buckeye Road Atlanta, GA 30341 (404) 458-2371 Jackie Ward, President

Private
Total Sales FYE 10/81: \$3,250,000 Est.
Computer Services Offered: • Professional Services •
Turnkey Systems

### Computer Horizons Corp.

747 3rd Avenue
New York, NY 10017
(212) 371-9600
Ronald Finegold, President
Public
Total Sales FYE 2/82: \$14,500,000
Computer Services Offered: • Professional Services •

Computer House
See: Computer Mailing Inc.

Turnkey Systems

### Computer Industries Corp

See: Control Data Corporation

### Computer Information Service Inc.

222 South Riverside Plaza Chicago, IL 60606 (312) 648-1346 Arthur J. O'Grady, President

### Computer Innovations

55 E. Jackson Chicago, 1L 60604 (312) 663-5930 Joseph Mill, President rivate

Private
Total Sales FYE 12/81: \$2,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

#### Computer Input Corporation 1840 S. Elena

Redondo Beach, CA 90277 (213) 372-2177 John Bradley, President Private Total Sales FYE 12/80: \$6,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Computer Input Services, Inc

6910 Market St Upper Darby, PA 19802 (215)352-5924 Robert E DeBaisse, President Public Total Sales FYE 7/81: \$9,211,000

Cptr. Svcs. Revs. FYE 7/81: \$8,000,000 Est.

Computer Services Offered: • Processing • Software

Products

### Computer Interactions

P.Ö. Box 1354
Roslyn Heights, NY 11577
(516)365-9833
Total Sales FYE 7/80: \$3,100,000
Computer Services Offered: • Professional Services

## Computer Investors Group Inc.

Parsippany, NJ 07054 (201)428-9393 George Stacksleth, President

### Computer Laboratory Inc., The

915 Elmwood Ave. Evanston, 1L 60202 (312) 864-6603 Jerry Heydemann, President

Private

Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

### Computer Language Research

2395 Midway Rd. Carrollton, TX 75006 (214)934-7202 Stephen T Winn, President Private

Total Sales FYE 12/81: \$52,726,000 Computer Services Offered: • Processing

### Computer Mailing Inc.

### DIVISIONS:

### Computer House

3006 Holmes Kansas City, MO 64109 (816) 756-1111 Truman Sloan, Chairman Total Sales FYE 5/80: \$500,000 Est. Computer Services Offered: • Processing

### Computer Management Corporation

4900 Waters Edge Drive Raleigh, NC 27606 (919) 851-7300 James Barnhill, President

Total Sales FYE 3/81: \$2,000,000

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Computer Management Dynamics, Inc 1040 Waltham St

Lexington, MA 02173 (617)862-8092

Computer Services Offered: • Software Products

### Computer Management Services

234 S.W. Bancroft Portland, OR 97201 (503) 227-0600 John Chaney, President

Computer Services Offered: • Processing

### Computer Management Systems, Inc. Acquired/merged with: Anacomp Inc.

### Computer Mart of New Jersey, Inc. See: Prodigy Systems Inc.

### Computer Medical Corporation Merged with Cycare Systems, Inc.

### Computer Methods Inc.

9401 West Beloit Road Milwaukee, WI 53227 (414) 327-4471

Computer Services Offered: • Software Products

### Computer Mind Corporation

521 Fifth Avenue New York, NY 10175 (212)484-3423 Peter Marchetti, President

### Computer Network Corporation

(COMNET) 5185 MacArthur Blvd. NW Washington, DC 20016 (202) 537-2500 Lee E. Johnson, President Public

Total Sales FYE 3/82: \$12,812,000

Computer Services Offered: • Processing • Software

Products • Professional Services

### DIVISIONS:

# Data Systems Consulting Corporation 5 West 34Th St,9Th Floor New York, NY 10001

(212)947-1321 Daniel L O'Leary, Vice President Computer Services Offered: . Processing

### Computer Output Microfilm

See: Computer Systems Company Inc.

### Computer Packages Inc.

414 Hungerford Dr. Rockville, MD 20850 (301) 424-8890 Jerrold A. Van Winter, President

Total Sales FYE 9/80: \$320,000 Computer Services Offered: • Processing • Software

### Computer Partners, Inc.

31 Washington St. Wellesley Hills, MA 02181 (617) 235-7905 Frank Sola, President

### Computer Pathways Unlimited, Inc.

PO Box 13186 Salem, OR 97309 (503) 363-8929 William Duke Morton, President Computer Services Offered: . Software Products

### SUBSIDIARIES:

### CPU International, Inc.

5002 Commercial, SE Salem, OR 97306 (503) 363-8929 William Stow, President
Total Sales FYE 7/81: \$900,000 Est.
Computer Services Offered: • Software Products

### Computer Pictures

See: CULLINET SOFTWARE Inc.

### Computer Power Inc. See: Chase Manhattan Bank, N.A.

Computer Prepared Accounts, Inc. 3350 Scott Blvd., Bldg. 56 Santa Clara, CA 95050 (408), 727-8866

Marvin Paller, President

Computer Services Offered: • Processing • Turnkey Systems

### Computer Processing Company

2852 South Avenue Toledo, OH 43609 (419) 382-3301 John Peters, President

Private
Total Sales FYE 5/80: \$150,000 Est.
Computer Services Offered: • Processing • Professional
Services

## Computer Professionals Unlimited, Inc. See: Citicorp

### Computer Professionals Inc.

11 Regency Hills Drive Suite 200 Greenville, SC 29607 (803) 268-3911 E. Grove, President

Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Computer Research Company

See: Comshare, Inc.

### Computer Research Inc. 2 Airport Office Park 400 Rouser Rd. Coraopolis, PA 15108 (412) 262-4430

(412) 262-4430 James Schultz, President Public Total Sales FYE 8/81: \$3,386,373 Cptr. Svcs. Revs. FYE 8/81: \$2,945,800 Computer Services Offered: • Processing

### Computer Research Inc.

5161 Ward Rd. Wheatridge, CO 80903 (303) 421-0644 John Santo, President

Total Sales FYE 3/80: \$500,000 Est.

Computer Services Offered: • Turnkey Systems

### Computer Resource Services Inc.

6501 North Black Canyon Phoenix, AZ 85015 (602) 242-9121 Robert A. Sommer, President

### Computer Resources

5680 South Syracuse Cr. Suite 118 Englewood, CO 80111 (303) 771-8930 Mike Niernburg, President

Private
Total Sales FYE 12/80: \$750,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

### SUBSIDIARIES:

### Collateral Services Inc.

5680 South Syracuse Circle Suite 118 Englewood, CO 80111 (303) 771-2120 Fred Frazier, President Computer Services Offered: • Processing

#### Computer Resources 2570 El Camino Real

Mountain View, CA 94040 (415) 941-4646 Dick Dumas, President Private Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Computer Resources Corporation

P.Ö. Box 1478
Walla Walla, WA 99362
(509) 525-1251
Richard Smiley, President
Private
Total Sales FYE 6/80: \$1,000,000 Est.
Computer Services Offered: • Processing

### Computer Resources Inc.

400 South Pleasantburg Dr Greenville, SC 29607 (803) 235-8508

### SUBSIDIARIES:

### Computerecords Inc.

2700 Middleburg Plaza P.O. Box 12 Columbia, SC 29202 (803) 799-404 R.O. Grant Jr., President Private Total Sales FYE 11/80: 55,472,827 Cptr. Svs. Revs. FYE 11/80: 55,389,981 Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

### Digital Systems Inc.

P.O. Box 12 Columbia, SC 29202 (803) 799-4094 R.O. Grant, President Computer Services Offered: • Turnkey Systems

### Computer Resources of America

1401 Hudson Lane, Ste 207 Monroe, LA 71201 (318) 387-2363 Glen Gordon, President Private Computer Services Offered: • Software Products • Professional Services

### Computer Results

445 Tenth St.
Toledo, OH 43624
(419) 255-1915
Gerald T. Carter, President
Private
Total Sales FYE 6/81: \$335,000
Computer Services Offered: • Processing • Professional
Services

### Directory of Computer Services Companies

Computer Sciences Corporation 650 North Sepulveda Blvd. El Segundo, CA 90245 (213)615-0311 William R. Hoover, President

Total Sales FYE 4/82: \$630,174,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

SUBSIDIARIES:

Associated Credit Services 2505 Fannin

Houston, TX 77002 (713)652-3434 Robert Binger, President Computer Services Offered: . Processing

CMS Industries Inc.

5550 Harbor Street Los Angeles, CA 90040 (213) 685-7381 Toshio Nakahiro, President

Paid Prescriptions Inc. 235 Frisch Court P.O. Box 434 Paramus, NJ 07652

(201) 845-9000 R.W. Forsyth, President

Computer Security Corporation

100 Ellison Ave Bronxville, NY 10708 (914) 779-7000 William Drewes, President

Computer Services Offered: . Software Products

Computer Service & Management

Consultants Inc. 21243 Ventura Blvd. Suite 226 Woodland Hills, CA 91364 Computer Services Offered: . Processing

Computer Service Consultants Inc.

37 Jefferson Blvd. Warwick, RI 02888 (401) 785-0300 Gordon Wilmot, President

Computer Services Offered: . Processing . Software Products

Computer Service Corporation See: Anacomp, Inc.

Computer Service Inc.

300 North State Street Chicago, IL 60610 (312) 644-1630 Michael Eiben, President Private

Computer Services Offered: . Processing . Professional

Computer Services Associates 5707 Redwood Rd. PO Box 13172

Oakland, CA 94619 (415) 763-2500 Donald B. Mulvey, President

Total Sales FYE 6/82: \$2,000,000 Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

SUBSIDIARIES:

Comprehensive Tax Systems

5707 Redwood Rd. Oakland, CA 94619 (415)482-4500 Computer Services Offered: . Software Products

Computer Services by Arens

435-A Diamond Ave. E Gaithersburg, MD 20760 (301)258-0970 Computer Services Offered: 

Software Products

Computer Services Corporation

200 Bank for Savings Bldg. Birmingham, AL 35203 (205) 320-6900 Roland B. Smith, President Total Sales FYE 12/81: \$2,672,101 Computer Services Offered: . Processing . Software Products • Turnkey Systems

Computer Services Corporation 905 Blvd. East

Weehawken, NJ 07087 (201) 866-2880

Computer Services, Inc. 3027 Washington Avenue Racine, WI 53405 (414) 637-8391

David Buhler, President

SUBSIDIARIES:

Time-Sharing Systems Inc. 2150 North Prospect Avenue Milwaukee, WI 53202

(414)933-2646 David Buehler, President Total Sales FYE 6/81: \$900,000 Computer Services Offered: . Processing

Computer Services, Inc. Merged with: TLS Company

Computer Services, Inc. 1301 Broadway Box 60

Paducah, KY 42001 (502) 442-7361 Stebbins B Ingram, President Public

Total Sales FYE 2/82: \$7,595,641 Cptr. Svcs. Revs. FYE 2/82: \$7,215,859 Computer Services Offered: • Processing

#### SUBSIDIARIES:

Commercial Systems Inc. 1632 Kentucky Ave. P.O. Box 60 Paducah, KY 42001 (502) 442-7361 Louis Kirchoff, President Computer Services Offered: • Processing

Computer Sharing Corporation

7851 Metro Parkway Minneapolis, MN 55450 (612)726-7794 Duane Schley, President

Private
Total Sales FYE 12/80: \$2,000,000 Est.
Computer Services Offered: • Processing • Turnkey

Computer Sharing Inc.

P.Ö. Box 1403 Shreveport, LA 71164 (318) 869-3505 Lloyd D. Burns, President Private Total Sales FYF 12/79- \$6000

Total Sales FYE 12/79: \$600,000 Est.

Computer Services Offered: • Processing • Software Products

Computer Sharing Services Inc. See: Rio Grande Industries

Computer Software Company, The See: Nixdorf Computer Software Company

Computer Software Designs

Computer Software Development Company 16776 Bernardo Center Drive Suite 205 San Diego, CA 92129 (714) 487-2232

John R. Fall, President Private

Computer Services Offered: • Professional Services

Computer Software Services Inc. (CSSI)

6000 Building Suite 2903 Chattanooga, TN 37411 (615) 892-8110 Mark Cochran, President

Private
Total Sales FYE 1/80: \$165,000 Est.
Computer Services Offered: • Software Products •
Professional Services

Computer Software Unlimited

1806 Malabar Dr. Memphis, TN 38138 (901) 754-8332 Michael A. Pfaff, President

Computer Solutions
50 Washington Terrace
East Orange, NJ 07017
(201) 672-6000
Gerald Heath, President
Private

Computer Services Offered: 

Software Products • Turnkey Systems

Computer Solutions, Inc. See: Computer Concepts & Services Inc.

Computer Support Systems

Box 2134 Mankato, MN 56001 (507) 625-2205

Computer Synergy, Inc. 2201 Broadway, Rm. 419

Oakland, CA 94612
(415) 444-3434
Thomas J. Culligan, President
Private
Total Sales FYE 6/81: \$3,000,000 Est.
Computer Services Officerd: • Software Products • Professional Services • Turnkey Systems

Computer System Architects, Inc.

30 Brattal St. Cambridge, MA 02138 (617) 876-2666 John Thron, President Private

Computer Services Offered: • Software Products • Professional Services

SUBSIDIARIES:

Programart Corporation

30 Brattle Cambridge, MA 02138 (617) 661-3020 Gilbert F. Curtis, President

Computer System Programming for the Fashion World Inc.

2300 Stemmons Frwy Dallas, TX 75234 (214)631-4244

Computer Services Offered: • Processing

Computer Systems International Inc. See: Business and Technological Systems, Inc.

Computer Systems Development, Inc.

140 Mayhew Way Suite 700 Pleasant Hill, CA 94523 (415)930-9932 David Sabosky, President

Private
Total Sales FYE 10/81: \$3,500,000
Computer Services Offered: • Professional Services

Computer Systems Company Inc.

Middleburg Heights, OH 44130 (216) 234-4100 William F. Zimmerman, President

Private
Total Sales FYE 6/80: \$2,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Directory of Computer Services Companies

#### SUBSIDIARIES:

### Computer Output Microfilm

Memory Lane Garrettsville, OH 44231 (216) 562-5583 William Zimmerman, President Computer Services Offered: • Processing

### Retail Information Systems, Inc.

7550 Lucerne Dr Middleburg Heights, OH 44130 (216) 234-4100 William Zimmerman, President

Computer Services Offered: • Software Products • Turnkey Systems

Computer Systems Consultants 3732 N. Cherry Tucson, AZ 85719 (602) 326-5482 Computer Services Offered: 

Software Products

### Computer Systems Design Inc.

350 Sansome San Francisco, CA 94104 (415) 445-8600

#### SUBSIDIARIES:

### Generation Sciences International

425 Battery St. San Francisco, CA 94111 (415)445-8620 Kim Jones, President Computer Services Offered: • Software Products • Professional Services

### Genesys International

425 Battery St. San Francisco, CA 94104 (415)445-8600 Kim Jones, President

### Computer Systems Engineering

16 2nd Avenue Burlington, MA 01803 (617) 272-4348 Norman McKinnon, President

Total Sales FYE 12/81: \$4,500,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$1,800,000 Est. Computer Services Offered: • Turnkey Systems

# Computer Systems Group, Inc 300 Laird St PO Box 1385 Wilkes-Barre, PA 18703

(717)824-9868 Paul Gozick, President
Total Sales FYE 12/81: \$400,000 Est.
Computer Services Offered: • Turnkey Systems

### Computer Systems Inc. See: Seafirst Computer Service.

Computer Systems Research, Inc 195 Main St., W PO Box 45 Avon, CT 06001 (203)678-121 Michael L. Daversa, President

### Computer Task Group Inc.

800 Delaware Av Buffalo, NY 14209 (716) 882-8000 David N. Campbell, President Public Total Sales FYE 12/81: \$37,322,000 Computer Services Offered: 

Processing Professional Services Turnkey Systems

### SUBSIDIARIES:

Neoterics, Inc. 1801 E. 9th St. Cleveland, OH 44114 (216) 861-3990 Stephen P. Keider, President

Private Computer Services Offered: • Software Products • Professional Services

### Computer Tax Service Inc.

#### DIVISIONS:

**CPAids** 1640 Franklin Ave. Kent, OH 44240 (216) 678-9015 Andrew Rosenberg, President Total Sales FYE 8/81: \$1,000,000 Computer Services Offered: • Software Products • Turnkey Systems

### Computer Techniques 1015 N. Main Ave.

Scranton, PA 18504 (717) 342-7495 Frank Suraci III, President Private Computer Services Offered: • Software Products • Professional Services

### Computer Technology

2411 Crofton Blvd. Annapolis, MD 21401 (301) 793-0022 Computer Services Offered: • Processing

### Computer Time Services

4546 Beltway Dr. Dallas, TX 75234 (214)385-9525 Computer Services Offered: • Processing

# Computer Usage Corporation 141 Battery St. Suite 650 San Francisco, CA 94111

(415) 543-3940 Victor Bartoletti, President Public Total Sales FYE 9/81: \$11,354,000 Computer Services Offered: . Processing . Turnkey Systems

### Computer Utilities of Cleveland

3767 Chester Ave. Cleveland, OH 44114 (216) 361-3300

### Computer Utilities of Orlando

2600 E. Livingston St. Orlando, FL 32803 (305) 894-8113

### Computer Visuals

3 Westchester Plaza Elmsford, NY 10523 (914) 592-8322

### Computer Workshop of Kansas City, Inc.

4027 N. Oak Trafficway Kansas City, MO 64116 (816) 452-3690 Terry Smith, President

Computer Services Offered: • Software Products • Turnkey

### Computer-Ease Inc.

5725 Buford Hwy., Ste. 222 Atlanta, GA 30340 (404)458-0333 Computer Services Offered: • Software Products

### Computer-Time Corporation

P.O. Box 485 Morrison, CO 80465 (303) 697-4750 Pete Hilgeman, President Private

Computer Services Offered: • Processing

### Computer/Technology Consulting

12742 Leander Drive Los Altos Hills, CA 94022 J.H. Geers, President Computer Services Offered: • Professional Services

### Computerecords Inc. See: Computer Resources Inc.

### Computeristics Micrographics See: Computeristics, Inc.

#### Computeristics, Inc. 2 Skiff St

Hamden, CT 06514 (203)288-2834 James H. Chambers, President

Total Sales FYE 10/80: \$6,000,000 Est. Computer Services Offered: • Software Products • Turnkey

#### SUBSIDIARIES:

### Acc-U-Data

2 Skiff St. Hamden, CT 06514 (203)288-3521 Stan Rothman, Ph.D., President Computer Services Offered: • Processing • Professional Services

### Computeristics Micrographics

142 Hamilton Ave Stamford, CT 06902 (203)357-9625 Thomas Cognato, President Computer Services Offered: • Processing

### Computerized Automotive Reporting

Service, Inc. Name changed to: DYATRON Corporation

### Computerized Business Systems

111 S.W. Columbia, Ste. 740 Portland, OR 97201 (503)227-5209 Computer Services Offered: • Processing

### Computerized Data Processing Inc.

PO Box 45 Opalocka, FL 33054 (305)769-3361 Michael Pawliger, President

### Computerized Management Decisions, Inc.

P.O. Box 152 Anderson, IN 46015 (317) 842-3113 Richard Herron, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Computerized Office Services, Inc.

309 N First St Ann Arbor, MI 48103 Computer Services Offered: • Software Products

### Computerm Corporation

10420 Southwest Hawthorne Lane Portland, OR 97225 (503) 292-3340 L.N. Johnson, President Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

#### Computerpower Corp 71 West 23rd St

New York, NY 10010 (212)675-0200 David J Stark, President Private

Total Sales FYE 7/82: \$400,000 Est. Computer Services Offered: 

Processing 

Software Products 

Professional Services 

Turnkey Systems

### Computers for Business, Inc. 11300 Central Expwy., N. Suite 105

Dallas, TX 75243 (214)987-0300 Al Avellandt, President Private Total Sales FYE 8/81: \$400,000 Est. Computer Services Offered: . Processing . Software

Products . Turnkey Systems

## Directory of Computer Services Companies

### Computers for Marketing Corp.

88 First St., 4th Floor San Francisco, CA 94105 (415)777-0470

Leif Gjestland, President Private

Total Sales FYE 9/80; \$1,300,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### Computersearch Corporation

331 John James Audobon Pkwy Amherst, NY 14228 (716) 835-2200 Robert A. Howland, President Total Sales FYE 3/80: \$2,000,000 Est. Computer Services Offered: • Processing

### Computervision Corporation 201 Burlington Road

Bedford, MA 01730 (617)275-1800 James R Berrett, President Total Sales FYE 12/81: \$270,706,000 Computer Services Offered: . Turnkey Systems

Computerware 1512 Encinitas Blvd., Box 668

Encinitas, CA 92024 (714) 436-3512

### Computerwise, Inc.

4006 E. 137th Terrace Grandview, MO 64030 (816) 765-3330 William Brown, President Computer Services Offered: • Turnkey Systems

Computing Capabilities

465-B Fairchild Dr. Ste 223 Suite 412A Mt. View, CA 94043 (415) 968-7511 Donald Lee, Partner

### Computing Productivity, Inc. The Larrow House Route 1-433-A

Waitsfield, VT 05673 (802) 496-5000 Leo J. Cohen, President Private Computer Services Offered: • Software Products

### Computone Systems Inc. One Dunwoody Park

Atlanta, GA 30338 (404) 393-3010 William O. Robeson, President Total Sales FYE 5/82: \$16,066,924 Cptr. Svcs. Revs. FYE 5/82: \$8,000,000 Est. Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Infotecs

1 Perimeter Rd. Manchester, NH 03103 (603) 624-2700 Edward Tolson, President Computer Services Offered: • Turnkey Systems

Computoservice Inc.

See: Mankato Citizens Telephone Co.

# Computrol, Inc. 10820 Sunset Office Dr.

St. Louis, MO 63127 (314) 965-2273 Robert Parks, President Private

Total Sales FYE 9/80: \$1,000,000 Computer Services Offered: • Software Products

# Computron Technologi Company Inc. 150 Meadowlands Parkway Secaucus, NJ 07094 (212) 246-6990

Private

Total Sales FYE 7/80: \$3,000,000 Computer Services Offered: . Software Products . Professional Services

Computronic Systems Inc. 815 Hutchinson River Parkway Bronx, NY 10465 (212) 792-4354 Kenneth L. Kurz, President Private

Computer Services Offered: Processing

### CompuVision

50 West Brokaw Rd. Ste 64 San Jose, CA 95119 (408) 295-2460 Mark Fenzel, President Computer Services Offered: . Software Products

### Compuware Corporation 32100 Telegraph Rd Birmingham, MI 48010 (313)540-0900

Peter Karamanos, Chairman Private

Total Sales FYE 4/82; \$16,000,000 Cptr. Svcs. Revs. FYE 4/82: \$15,520,000
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Tomark, Inc. Aquired and merged into Compuware Corporation

#### Comquest 804 Harold

Houston, TX 77006 (713) 492-3430 Larry Axtell, President Computer Services Offered: . Software Products

COMSAT Digital Division See: COMSAT General Corporation

COMSAT General Corporation

#### SUBSIDIARIES:

### COMSAT General Integrated Systems

1131 San Antonio Rd Palo Alto, CA 94303 (415)966-8440 Wayne D Brown, President

#### DIVISIONS:

## COMSAT Digital Division 7801 La Mar Blvd, N. Suite F40

Austin, TX 78752 (512) 451-7938 S. A. Szygenda, Senior Vice President Computer Services Offered: • Software Products

### COMSAT General Integrated Systems

See: COMSAT General Corporation

### Comsen Inc.

140 Blacksmith Road Camp Hill, PA 17011 (717) 737-6971

Computer Services Offered: . Processing

#### Comserv Corporation 1385 Mendota Heights Rd.

Mendota Heights, MN 55120 (612)452-7770 Richard P. Daly, President Total Sales FYE 12/81: \$17,667,477 Computer Services Offered: • Processing • Software Products • Professional Services

#### Comshare, Inc. 3001 South State, Box 1588

Ann Arbor, MI 48106 (313) 994-4800 Richard L. Crandall, President Public Total Sales FYE 6/82: \$78,453,100

Computer Services Offered: • Processing • Software Products • Professional Services

#### SUBSIDIARIES:

Computer Research Company 200 North Michigan Avenue Chicago, IL 60601 (312) 977-7500 Ronald L. Ellis, President

# Target Software, Inc 1935 Cliff Valley Wy, Ste 200 Atlanta, GA 30329 (404) 634-9535

Robert Ramsom, Director
Computer Services Offered: 
Software Products

### Trust Management Systems, Inc.

1100 E. Morehead St. Charlotte, NC 28204 (704) 373-0361 Dwight Saunders, Director
Computer Services Offered: 
Software Products Professional Services

### Comspec Exploration

See: Comspec Inc

### Comspec Inc

### DIVISIONS:

### Comspec Exploration

10000 Old Katy Rd, Ste 275 PO Box 79438 Houston, TX 77079 (713)461-4487 Thomas A Paine, President Computer Services Offered: • Processing

### Comtech Group International Ltd.

5 Fairview Mall Drive Suite 380 Willowdale, Ontario NM2J2 (416) 492-1480 Donald McPhail, President Public Total Sales FYE 6/82: \$5,923,004 Computer Services Offered: • Processing • Software Products • Professional Services

#### SUBSIDIARIES:

#### Telaccount Inc.

5 Fairview Mall Drive Suite 380 Willowdale, ON NM2J2 (416) 492-1480 Donald McPhail, President Computer Services Offered: • Processing • Software Products . Professional Services

### Comten Inc.

3 Choke Cherry Road Rockville, MD 20805 (301) 948-8000 Computer Services Offered: • Software Products

### Comtrol Corporation

Comtrol Bldg. P.O. Box 600A San Antonio, TX 78292 (512) 736-2871 Stanley Hierholzer, President Computer Services Offered: • Processing • Turnkey

### Comtrol Inc.

Windsor, CT 06095 (203) 683-1355 William Roncaioli, Vice President Total Sales FYE 7/80: \$350,000 Est.

Old Windsor Mall 176 Broad St.

Computer Services Offered: . Software Products . Professional Services

### Directory of Computer Services Companies

### P.O. Box 2311

Birmingham, AL 35201 (205) 967-8193 Jim Barnes, President

Private Computer Services Offered: • Software Products • Professional Services

### Comvestrix Corporation

1501 Broadway New York, NY 10036 (212) 869-0640 Joel Cartun, President

Private Total Sales FYE 12/81: \$7,000,000 Computer Services Offered: • Processing

# Concap Computing Systems, Inc. 7700 Edgewater Drive Suite 700 Oakland, CA 94621

(415) 635-5750 Stewart Larson, President

Computer Services Offered: • Processing • Turnkey

### Concept Systems, Inc.

l Franklin Plaza, Suite 650 Philadelphia, PA 19802 (215) 563-1425 Joseph T. Apprendi, President Private

Total Sales FYE 4/81: \$3,328,000 Est. Computer Services Offered: • Turnkey Systems

### Concord Computing Corporation

7 Alfred Circle Bedford, MA 01730 (617) 275-1730 Victor Tyler, President

Computer Services Offered: • Processing

Condata, Inc. 1809 Walnut Street Philadelphia, PA 19103 (215) 569-4240 Daniel Moore, President

Computer Services Offered: • Processing • Software Products

Condor Computer Corp. 2051 South State St. Ann Arbor, MI 48104 (313) 769-3988 Robert Cohen, President
Total Sales FYE 7/81: \$1,500,000 Est.
Computer Services Offered: • Turnkey Systems

### Condor Corporation, The

P.O. Box 2311 Birmingham, AL 35201 (205) 967-8193 J.J. Barnes, President Private

Total Sales FYE 12/82: \$700,000 Est. Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

### Configuration Data Services Inc.

17220 New Hope, STE 106 Fountain Valley, CA 92708 (714) 546-1892 Donald Norton, President

Total Sales FYE 1/80: \$100,000 Est. Computer Services Offered: • Software Products • Professional Services

## Congruent Systems, Inc. 2710 Sand Hill Rd.

Menlo Park, CA 94025 David H. Parks, President

Total Sales FYE 12/80: \$1,500,000 Est.

Computer Services Offered: • Processing • Software Products . Professional Services

### SUBSIDIARIES:

### Ryan, Donald & Associates Systems

Consultants 2710 Sand Hill Rd. Menlo Park, CA 94025 (415)854-0650 Computer Services Offered: . Processing . Software Products • Professional Services

### Conifer Group, Inc.

### SUBSIDIARIES:

### Berkshire Bank and Trust Co. Automated Customers Service

54 North Street Pittsfield, MA 01201 (413) 499-1600 Edward K. Ward, Jr., President Computer Services Offered: • Processing

#### Connecticut Bank and Trust Company One Constitution Plaza

Hartford, CT 06115 (203) 244-5000

### Connecticut Information Systems Co. 218 Huntington Rd

Bridgeport, CT 06608 (203) 579-0472

## Consco Enterprises Inc. 1700 Broadway

New York, NY 10019 (212) 586-8701 Seymour Altuscher, President

Private Computer Services Offered: . Software Products . Professional Services

### Conserv International Route 1 South PO Box 5241

Princeton, NJ 08540 (201) 561-7000 Robert Steinberger, President

Computer Services Offered: • Turnkey Systems

### Consilium Associates, Inc

4 Palo Alto Sq, Suite 270 Palo Alto, CA 94304 (415)856-1905

Computer Services Offered: • Software Products

### Consolidated Business Systems, Inc.

P.O. Box 6183 Elmwood Park Station Omaha, NE 68106 (402) 393-0313

Mike Garrean, President Private

Computer Services Offered: • Processing • Software Products • Professional Services

### Consolidated Computer Services, Inc.

6761 Peachtree Industrial Blvd
Atlanta, GA 30360
(404) 447-520
William McNeal, President
Computer Services Offered: • Software Products

### Consolidated Computer Corp

1180 Avenue of the Americas New York, NY 10036 (212) 575-8240 Robert F. McGill, President Private Total Sales FYE 6/82: \$3,000,000

Computer Services Offered: • Processing

### Construction Computer Control Corporation

615 E. Michigan Street Milwaukee, WI 53202 (414) 278-0500 William C Koenig, President

Private
Total Sales FYE 12/81: \$2,850,000
Computer Services Offered: • Processing • Professional
Services

### Construction Industry Computer See: Shawinigan Engineering Company

### Construction Information Systems

Box 484 Mill Valley, CA 94941 (415) 332-5073 Peter Hogg, President Private

Total Sales FYE 12/80: \$750,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Construction Management Systems See: Hill International

### Construction Systems Software, Inc P.O. Box 30088

P.O. Box 30088
San Antonio, TX 78285
(512) 681-5768
Dennis Read, President
Total Sales FYE 12/80: \$850,000
Computer Services Offered: • Processing • Software
Products • Professional Services

### Consultants for Information Resource Management Inc.

109 Fairfield Way Suite 106 Bloomingdale, IL 60108 (312) 894-5598 Michael R. Springer, President

Total Sales FYE 1/81: \$125,000 Est.

Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Consultec

See: General American Life Insurance Corporation

## Consumer Computer Services Name changed to Dial Tyme

### Consumer Merchandising Inc.

4215 Beltwood Pkwy.
Dallas, TX 75234
(214)233-6671
Computer Services Offered: • Processing • Software
Products

### ConTel Data Services Corp See: Continental Telecom Inc.

### ConTel Information Systems, Inc

# See: Continental Telecom Inc. Context Management Systems

23864 Hawthorne Blvd Suite 101
Torrance, CA 90505
(213) 378-8277
Private
Total Sales FYE 7/82: \$3,000,000 Est.
Computer Services Offered: • Software Products

### Continental Airlines

### SUBSIDIARIES:

### Continental Computer Services, Inc.

One Continental Plaza Airport
El Segundo, CA 90245
(213) 646-6820
Mauro Weissman, President
Total Sales FYE 12/81: \$10,000.000
Computer Services Offered: 
Products

\*\*Products\*\*

### Continental Computer Services, Inc.

### Continental Computer Systems

725 North 15th St, 3rd Fl Allentown, PA 18102 (215) 820-4155 Warren Schneider, President Private

### Continental Corporation

## Directory of Computer Services Companies

#### DIVISIONS:

### Insco Systems Corporation

3501 State Highway 66 Neptune, NJ 07753 (201) 922-5000 Richard F. Hespos, President

Computer Services Offered: • Processing • Software Products • Professional Services

### Continental Data Processing, Inc.

See: Digital Technology Group

### Continental Financial Services

#### SUBSIDIARIES:

### Systems Engineering Computer Co.

P.O. Box 26729 Richmond, VA 23261 (804)282-2331 John F. Noll, President Total Sales FYE 12/81: \$10,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$3,500,000 Est. Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### DIVISIONS:

### Automated Computer Services

6600 West Broad St. Richmond, VA 23261 (804) 281-6456

### Continental Hospital Systems

### SUBSIDIARIES:

### Continental Medical Systems

Overland, KS 66214 (913)888-2915 Gordan Grohman, President Total Sales FYE 10/81: \$1,000,000 Computer Services Offered: . Software Products . Turnkey Systems

### Continental Illinois National Bank &

Trust Co. of Chicago 231 South LaSalle Street Chicago, IL 60690 (312) 828-2345

#### Continental Information Systems See: Continental Resources

Continental Medical Systems See: Continental Hospital Systems

### Continental Resources

#### DIVISIONS:

### Continental Information Systems

Bedford, MA 01730 (617)275-0850 Kevin McCann, General Manager Total Sales FYE 12/81: \$1,100,000 Est. Computer Services Offered: • Software Products

### Continental Software

11223 S Hindry Ave Los Angeles, CA 90045 (213) 410-3977

Computer Services Offered: • Software Products

### Continental Telecom Inc.

#### SUBSIDIARIES:

## ConTel Data Services Corp 245 Perimeter Center

Atlanta, GA 30346 Atlanta, GA 30346 (404) 391-8000 R. E. Thomas, President Total Sales FYE 12/81: \$16,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

### ConTel Information Systems, Inc

130 Steamboat Rd Great Neck, NY 11024 (516) 829-5900 Howard Frank, President Total Sales FYE 12/81: \$14,000,000 Computer Services Offered: • Software Products • Professional Services

National Bancard Corporation 1471 S.W. 12th Ave Pompono Beach, FL 33060 (305) 785-2100 John G. Bull, President Private Total Sales FYE 12/81: \$15,000,000 Est. Computer Services Offered: • Processing

STSC, Inc. 2115 E. Jefferson St. Rockville, MD 20852 (301) 984-5000 Only 1984-3000
Daniel Dyer, President
Total Sales FYE 12/81: \$28,735,000
Computer Services Offered: • Processing • Software
Products • Professional Services

#### SUBSIDIARIES:

MTSC, Inc. 2115 East Jefferson St. Rockville, MD 20852 (301)984-5200 Donald J. Soults, President Computer Services Offered: • Professional Services

Management Methods, Inc.

2105 Franklin St Ste 1055 Oakland, CA 94612 (415) 452-0222 Computer Services Offered: • Processing

Resource Systems, Inc.
42 Denver Technological Ctr 7965 East Prentice Ave Englewood, CO 80111 (303)779-6909

Computer Services Offered: • Processing

Continuum Co., The

3429 Executive Center Drive Austin, TX 78731 (512) 345-5700 Lawrence D Sault, President

Public

Total Sales FYE 3/82: \$20,248,000 Computer Services Offered: . Processing . Software Products . Professional Services

Contract Services Associates

706 S. Euclid Anaheim, CA 92802 (714) 635-4055 Margaret Bivins, President

Computer Services Offered: • Software Products

Contract Software Consultants Inc.

13612 Midway Rd. Dallas, TX 75229 (214)233-2065

Computer Services Offered: • Software Products

Control Analysis Corporation

155 Great Circle Dr. Mill Valley, CA 94941 (415)381-0570 Ray Harvey, President

Control Data Corporation

8100 34th Avenue South PO Box 0 Minneapolis, MN 55420 (612) 853-8100 W. H. Bruning, Vice President Public

Total Sales FYE 12/81: \$4,162,600,000 Cptr. Svcs. Revs. FYE 12/81: \$616,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

Arbitron

1350 Avenue of the Americas New York, NY 10019 (212) 887-1402 T. F. Shaker, President Computer Services Offered: • Processing

Brokerage Transaction Services Inc.

80 Pine St New York, NY 10005 (212) 668-6100 A. A. Oratorio, President Computer Services Offered: • Processing

Computer Industries Corp 1501 Euclid

Cleveland, OH 44115 (216)579-0200 Computer Services Offered: • Software Products CYBERNET

P.O. Box 0, 8100 34th Avenue South Minneapolis, MN 55440 (612) 853-8100 K. L. Mellem, Vice President Computer Services Offered: • Processing • Turnkey

#### DIVISIONS:

Information Systems Design, Inc. 2500 Mission College Blvd. Santa Clara, CA 95054

(408) 727-8100 George T. Steeley, Jr., President Computer Services Offered: . Processing . Software Products

EFT Data Services, Inc.

500 W. Putnam Avenue Greenwich, CT 06830 (203) 622-2303 D. M. Lalumia, General Managar Computer Services Offered: • Processing

Economic Information Systems Inc

310 Madison Ave, Ste 201 New York, NY 10017 (212)697-6080 Computer Services Offered: • Processing

Tabershaw Occupational Medicine

Association 6110 Executive Blvd

Rockville, MD 20852 (301)881-6920 Irving Tabershaw, President

Computer Services Offered: • Processing • Software Products • Professional Services

Ticketron, Inc. 1350 Avenue of the Americas New York, NY 10019

(212) 887-1600 W. J. Schmitt, President Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

Station Business Systems 600 W. Putnam Avenue

Greenwich, CT 06830 (203) 622-2400 Computer Services Offered: • Turnkey Systems

Control Information, Inc. Acquired by & merged with: Mid-America Computer Corporation

Control Systems, Inc. 1317 Central Avenue Kansas City, KS 66102

(913) 371-6136 Jim Shirley, President

Computer Services Offered: • Software Products • Turnkey Systems

### Directory of Computer Services Companies

#### Controls for Industry Inc.

2635 West Peterson Avenue Chicago, IL 60659 (312) 784-4243

Sherwin B. Pomerante, President Computer Services Offered: • Processing

Convey Associates See: Convey Companies, Inc.

Convey Companies, Inc. 3400 South Dixie Drive Dayton, OH 45439 (513)294-3731

Jeffery Reeves, Chairman Private

Total Sales FYE 9/81: \$1,500,000 Computer Services Offered: • Software Products • Professional Services

#### DIVISIONS:

Convey Associates 2600 S Parker Rd, STE 377 Aurora, CO 80014

(303)696-0520 Paul Spoutz, President Computer Services Offered: • Professional Services

#### Cooper Data Systems Inc.

636 Baronne Street New Orleans, LA 70113 (504) 581-7611 William G. Barry, President

Total Sales FYE 4/80: \$2,250,000 Est.

Computer Services Offered: • Processing • Turnkey

# Cooperative Computing Inc. 2525 Wallingwood Suite 700 Austin, TX 78741

(512) 327-4940 Glen Staats, President Private

Total Sales FYE 12/80: \$4,000,000 Est. Computer Services Offered: • Processing

#### Coopers and Lybrand

1251 Avenue of the Americas New York, NY 10020 (212)536-2000

Cptr. Svcs. Revs. FYE 7/81: \$27,600,000 Est.

Computer Services Offered: 

Professional Services

# Core & Code, Inc. 3 Winding River Circle Wellesley, MA 02181 (617) 237-4554 Tim Sorrell, President

#### Corgill-Mever and Associates

6884 Chambers Dr Oakland, CA 94611 (415)642-1244 Robert Meyers, Principal Total Sales FYE 7/82: \$350,000 Est. Computer Services Offered: • Software Products

#### Cornell Computer Corp.

55 Cornell Drive Plainview, NY 13137 (516) 692-8284 Jerome Gilbert, President

Computer Services Offered: . Processing . Software Products . Professional Services

#### Cornwell, Robert Associates 352 Evelyn St.

Paramus, NJ 07652 (201) 261-1050 Robert Cornwell, President

Computer Services Offered: . Processing

#### Corporate Data Systems

3700 Science Center Philadelphia, PA 19104 (215)222-7046

Computer Services Offered: • Software Products

#### Corporate Management Inc.

4200 Aurora Avenue North Scattle, WA 98103 (206) 632-0301 Fred Taucher, President

Private Total Sales FYE 5/80: \$500,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

## Corporate Systems P.O. Box 31780

Amarillo, TX 79120 (806) 376-4223 Guy Sanders, President Private Total Sales FYE 12/81: \$6,000,000

Computer Services Offered: • Processing Corporate Time Sharing Inc Name changed to: CTS Services Inc.

#### Corporate Timesharing Services Inc.

30 Rockefeller Plaza New York, NY 10020 (212) 246-7733 John Cahill, President Private

#### Corporate-TECH Planning, Inc.

275 Wyman St Waltham, MA 02154 (617)890-2600 Norman H Taylor, President

Private Total Sales FYE 7/81: \$1,400,000 Est. Computer Services Offered: • Professional Services

Corroon & Black Actuarial Services, Inc. See: Corroon & Black Insurance Corporation

Corroon & Black Insurance Corporation

#### SUBSIDIARIES:

## Corroon & Black Actuarial Services, Inc. 550 Mamaroneck Ave.

Harrison, NY 10528 (914) 698-8030 Neal Healy, Executive Vice President Total Sales FYE 6/80: \$1,000,000 Computer Services Offered: • Professional Services

### Corstar Business Computing Company,

I Aqueduct Road
White Plains, NY 10606
(914) 428-5550
John Sitar, President
Private
Computer Services Offered: • Software Products •
Professional Services

#### Cortex Corporation

55 William St. Wellesley, MA 02181 (617) 237-2304 Sherman Uchill, President Private

Computer Services Offered: • Software Products

#### Corvus Systems Inc. 8150 Leesburg Pike Suite 406

Vienna, VA 22180 (703)356-4808 Jerome Kwiatkowski, President Private Total Sales FYE 7/81: \$1,230,000 Computer Services Offered: • Professional Services

### Cost Savings Data Systems Inc.

Davenport, IA 52801 (319) 323-2731 Lloyd Stegman, President Private Total Sales FYE 10/80: \$700,000 Est. Computer Services Offered: • Processing • Professional Services

#### Courier Journal-Louisville Times

#### SUBSIDIARIES:

Data Courier, Inc.

620 South Fifth St.
Louisville, KY 40202
(502) 582-4111
Loene Trubkin, President
Private
Computer Services Offered: • Processing

#### Coverdale Associates, Inc.

132 Adams St. Newton, MA 02158 (617) 332-8910

Shirley E. Coverdale, President

Computer Services Offered: • Professional Services

#### Cox Broadcasting Corp.

#### SUBSIDIARIES:

#### Cox Data Services

5600 Roswell Road Suite 100, Prado North Atlanta, GA 30342 (404) 256-5200 Total Sales FYE 12/80: \$4,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### Cox Data Services

See: Cox Broadcasting Corp.

#### Creative Management Systems Inc

8130 Boone Blvd, 4th Fl Vienna, VA 22180 (703)827-9157 Computer Services Offered: • Processing • Software Products • Professional Services

#### Creative Output

60 Commerce Park Rd Millord, CT 64630 (203)877-5671 Paul King, President Tomputer Services Offered: Software Products Computer Services Offered: Software Products

## Creative Socio-Medics Corp (CSM) See: Advanced Computer Techniques Corp.

#### Creative Software Concepts Inc

PO Box 349
Binghamton, NE 13902
(607)729-5558
Computer Services Offered: • Software Products

#### Creative Systems Group

740 Julie Ann Way
Odd Julie Ann Way
Odd Julie Ann Way
Odd Julie Son
Dary McCosker, President
Private
Total Sales FYE 6/81: \$3,000,000
Computer Services Offered: • Processing • Professional
Services

## Credit Bureau Inc. of Georgia

#### Crown Data Center See: Mason Dixon Freight

#### Crown Life Insurance Co.

650 McNicoll Ave

#### SUBSIDIARIES:

#### Datacrown Inc.

Toronto, ON M242E (416) 499-1012 R.G. Taylor, President Public Total Sales FYE 12/8: \$71,588,000 Cptr. Svcs. Revs. FYE 12/81: \$65,572,000 Computer Services Offered: Processing \* Professional

### Directory of Computer Services Companies

#### Ctrac Computer Services 18683 Sheldon Road

18683 Sheldon Road Middlebury Heights, OH 44130 (216) 676-9000 David Hamister, President

Trivate
Total Sales FYE 1/81: \$3,000,000
Cptr. Svcs. Revs. FYE 1/81: \$2,850,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

DIVISIONS:

#### Ctrac Computer Services

4106 Creek Court
Atlanta, GA 30083
(404)0693
Computer Services Offered: Processing Software
Products Turnkey Systems

Ctrac Computer Services
See: Ctrac Computer Services

Cubic Corporation

SUBSIDIARIES:

Cubic Data Systems, Inc.

8248 Ronson Road San Diego, CA 92111 (714) 560-7066 Paul Burns, Vice President

Cubic Data Systems, Inc.
See: Cubic Corporation

Cullen-Frost Bank Inc.

SUBSIDIARIES:

Frost National Bank

100 West Houston
San Antonio, TX 78296
(512) 220-5333
C. Linden Sledge, President
Computer Services Offered: • Processing

CULLINET SOFTWARE Inc.

400 Blue Hill Drive
Westwood, MA 02090
(617) 329-7700
John J. Cullinane, President
Public
Total Sales FYE 4/82: \$49,269,000
Computer Services Offered: • Software Products

SUBSIDIARIES:

Computer Pictures

20 Broad St Boston, MA 02109 (617)720-1700 Philip Cooper, President

Computer Services Offered: • Turnkey Systems

Cumberland Software Inc.

3020 Atlanta St.
Smyrna, GA 30080
(404) 432-3857
Mark Russell, President
Computer Services Offered: • Software Products

Cunadata Corporation

See: Electronic Data Systems Corporation

Cuneo Press

SUBSIDIARIES:

Graphic Arts Data Service

200 West Monroe Chicago, II. 60060 (312) 263-4222 Frederick Faulkner, President Private Total Sales FYE 1/82: \$1,600,000 Computer Services Offered: • Processing

Curtis-Wright Computer Service
See: Curtis-Wright Corporation

Curtis-Wright Corporation

One Passaic Street

DIVISIONS:

Curtis-Wright Computer Service

Wood-Ridge, NJ 07928
(201) 777-2900
Joseph Barrett, Dir., Computer Services Dept.
Computer Services Offered: • Processing • Professional

Custom Application Systems, Inc.

1888 Century Park, E Century City, CA 90067 (213)552-6928 Computer Services Offered: • Software Products

Custom Computer Services PO Box 1738 Rapids City, SD 57709

(605)343-7800
Bud Brummer, President
Private
Total Sales FYE 7/81: \$750,000 Est.
Computer Services Offered: 

Processing • Software
Products • Professional Services • Turnkey Systems

Custom Computer Services, Inc.

2210 San Joaquin

Fresno, CA 93721

(209) 486-4750
John W. Dodson, President
Private
Total Sales FYE 9/80: \$1,700,000
Computer Services Offered: a Processing

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Custom Computing Systems, Inc.

122 Second Ave. N Saskatoon, SA S7K2B (306) 664-8933 Sylvan Katz, President

Total Sales FYE 6/80: \$500,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

#### Custom Data Services, Inc. 5090 Central Highway Ste 9A Pennsauken, NJ 08109

(609) 663-9422 Frank N. Casey, President

#### Custom Engineering Inc.

1720 N. 31st Pl. Phoenix, AZ 85008 (602)275-5307

Computer Services Offered: • Processing • Software Products

#### Custom Management Systems, Inc., Systems Division

P.O. Box 10046 Tallahassee, FL 32302 (904) 244-3208

Computer Services Offered: . Software Products

#### Custom Tailored Software Inc.

55 Washington St East Orange, NJ 07019 (201)678-7500

Computer Services Offered: • Software Products

Customized Business Systems 973 Market, Ste 500 San Francisco, CA 94103 (415) 495-6022

Cusys Inc. 2305 Coney Island Ave. Brooklyn, NY 11223 (212) 336-4498 David Fuchs, President Private

Cutler Williams Inc. 2655 Villa Creek Drive Suite 205 Dallas, TX 75234 (214) 243-3421 George Enochs, President

Private Trivate Sales FYE 12/81: \$10,500,000 Est.
Cptr. Svcs. Revs. FYE 12/81: \$10,080,000
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Cuyahoga Savings & Loan, and First Federal of Cleveland

SUBSIDIARIES:

#### Greater Cleveland Computer Center

1110 Euclid Avenue Cleveland, OH 44115 (216) 861-7193 Private

Computer Services Offered: • Processing

#### Cyberned Corporation

74 Irving St. Framingham, MA 01701 (617) 875-8747

Daniel Barraford, President

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### CYBERNET

See: Control Data Corporation

#### Cybernetics and Systems Inc.

See: CSX Corporation

#### Cybernetics Inc.

8041 Newman Ave. Suite 208 Huntington Beach, CA 92647 (714) 848-1922 Joe Sheldon, President

Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Cybernetics System International Corp

Cybernetics Bldg 1313 Ponce De Leon Blyd Coral Gables, FL 33134

(305)443-1651 Rudy Valdor, President

Private

Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

#### Cybershare Ltd 550 Berry

Winnipeg, MB R3HOR (204)775-0181 Jack Turner, President Private

Total Sales FYE 3/81: \$4,000,000 Computer Services Offered: . Processing . Software Products

#### Cybertek Computer Products, Inc. 6133 Bristol Pkwy

Culver City, CA 90230 (213) 649-2450 Vaughn W. Morgan, President

Private

Total Sales FYE 3/82: \$12,900,000 Est. Cptr. Svcs. Revs. FYE 3/82: \$12,513,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Cybertronics Inc.

842 Cottage Avenue East Minneapolis, MN 55106 (612) 771-5623 Robert Hansen, President

Computer Services Offered: . Processing . Software

Products . Professional Services

### Directory of Computer Services Companies

Cyborg Systems, Inc.
2 North Riverside Plaza Suite 2160

Chicago, IL 60606 (312) 454-1865

Michael Blair, President

Private Total Sales FYE 2/82: \$4,138,000 Computer Services Offered: • Software Products

Cycare Systems, Inc.

Dubuque Building Suite 520 Dubuque, IA 52001 (319) 556-3131 James H. Houtz, President

Total Sales FYE 12/81: \$20,026,000 Cptr. Svcs. Revs. FYE 12/81: \$16,919,000 Computer Services Offered: • Processing • Turnkey

Cyex Systems Corp.
59 Cunningham E.
Palatine, IL 60067

(312)359-8566

Computer Services Offered: • Software Products

Cyma Corp 2160 East Brown Rd Mesa, AZ 85203

(602)835-8880 David Thomas, President

Total Sales FYE 7/81: \$500,000 Est. Computer Services Offered: • Software Products

Cyngus Technologies Corporation

350 Hudson St. New York, NY 10014 (212) 242-3434 Jorge Aranovich, President

Cytrol, Inc. 4570 West 77th Street Edina, MN 55435 (612) 835-4884

D.E.C. Service Corporation 1133 North 2nd Street Rockford, IL 61107 (815) 965-2751 H.D. Kaiser Jr., President

Private D.E.S. Inc. 407 Gilbert Ave

Cincinnati, OH 45202 (513) 621-2388 James W. Grever, President Private Total Sales FYE 8/81: \$1,000,000

Computer Services Offered: • Processing D.T.S.S., Inc. See: Metropolitan Life Insurance Company

D-NET See: Harris Data Service Inc. DBA Systems, Inc. 1135 W. NASA Blvd. P.O. Drawer 550 Melbourne, FL 32901

(305)727-0660 James B. Willman, President Public

Total Sales FYE 6/81: \$13,485,316 Computer Services Offered: • Professional Services • Turnkey Systems

DBMS, Inc. 1801 Mill St Naperville, IL 60540 (312)961-5700 Andrew Filipowski, President

Total Sales FYE 8/81: \$3,800,000 Computer Services Offered: 
Processing Software Products Professional Services

DCD Company See: Borg Enterprises

DDP Systems, Inc. 132 West 31st New York, NY 10001

(212)736-4240

Total Sales FYE 1/81: \$700,000 Computer Services Offered: • Software Products • Turnkey

**DLM Enterprises** 535 W. Arlington Chicago, IL 60614 (312) 935-4222 Michael Wechter, President

DMW Group, Inc. 2395 South Huron Parkway Ann Arbor, MI 48104 (313) 971-5234 Dixon Doll, President Private

DNA Systems, Inc. 1258 S. Washington P.O. Box 1424 Saginaw, MI 48605 (517) 793-0185

Computer Services Offered: • Software Products

DP & W Inc. 20-28 Aberdeen Boston, MA 02215 (617) 261-5432

**DPC** Corporation 7115 Leesburg Pike Falls Church, VA 22046 (703)532-1775

Computer Services Offered: . Processing

DPS Inc. 350 South 4th East Suite 114 Salt Lake City, UT 84115 (801) 532-3567 Don Philips, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

DPX Inc.

992 S Saratoga-Sunnyvale Rd San Jose, CA 95129 (408)973-9292 William Ackerman, President

Computer Services Offered: • Software Products • Professional Services

DSI Corporation Acquired/merged with Anacomp

DSI-Data Spectrum Inc.

53 Park Pl. New York, NY 10007 (212) 964-4482 1970, President

Private Total Sales FYE 8/80: \$750,000 Computer Services Offered: • Processing • Software Products • Professional Services

DSI, Inc. 2480 W. Alameda Denver, CO 80223 (303) 922-8331 Larry Johnston, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

DST, Inc. See: Kansas City Southern Corp.

Systems

DYX Corporation 10515 Church Rd PO Box 38625 Dallas, TX 75238 (214) 341-4275 John Meagher, President Private Total Sales FYE 10/81: \$250,000 Computer Services Offered: • Software Products • Professional Services

Da-Tronics, Inc. 2962 Market Avenue North Canton, OH 44714 (216) 455-5363 Donna A. Miller, President Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Processing • Turnkey

Dabco Computer Services 11520 San Vicente Blvd Ste 102 Los Angeles, CA 90049 (213) 820-4978 David A. Bern, President Computer Services Offered: • Processing • Professional Services

Dagar Enterprises
123 York St, Ste 2H Crown Towers
New Haven, CT 06510
(203)624-0500 Private Total Sales FYE 7/81: \$600,000 Computer Services Offered: • Software Products • Turnkey Systems

Dakco Distributors

SUBSIDIARIES:

Midco Data Systems 503 Broadway P.O. Box 3142 Fargo, ND 58102 (701) 293-5602 R.F. Saunders, President Computer Services Offered: • Software Products • Turnkey Systems

Dakin5 Corporation See: Verbatim Corp

Dalgety Ltd

SUBSIDIARIES:

Dalgety, Inc. 3055 Fairview Way San Mateo, CA 94402 (415) 965-0500 Peter A J Gardner, President Total Sales FYE 6/82: \$1,150,000,000 Est. Cptr. Sycs. Revs. FYE 6/82: \$900,000 Est. Computer Services Offered: • Processing • Professional

Services Dalgety, Inc. See: Dalgety Ltd

Daly & Wolcott Inc. PO Box 5068 Hamden, CT 06518 (203)288-3789 Computer Services Offered: • Software Products

Damas Inc. 5308 Northeast Irving Portland, OR 97213 (503) 284-9677 Marcia Zuber, President Computer Services Offered: • Software Products

Dapsco, Inc 1544 W Dorothy Lane Dayton, OH 45409 (513)294-5331 Computer Services Offered: . Software Products

Dartmouth College Kiewit Computation Center Hanover, NH 03755 (603)646-2644 Computer Services Offered: • Processing

DASD Corporation See: CAP Gemini Sogeti

#### Dash Group, Inc. PO Box 8666

Reading, PA 19603 (215)372-4500

Computer Services Offered: • Software Products

#### Data Access Corporation

4221 Ponce De Leon Blvd Coral Gables, FL 33146 (305)446-0669

Computer Services Offered: • Software Products

#### Data Architects Systems Inc.

460 Totten Pond Road Waltham, MA 02154 (617) 890-7730

Martin Cooperstein, President

Total Sales FYE 11/81: \$12,388,000 Computer Services Offered: • Software Products • Professional Services

Data Base Logic Inc. 1601 Concord Pike Independence Mall Wilmington, DE 19803 (302)656-4141

Joseph B Elad, President

Total Sales FYE 6/82: \$250,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Data Base Management, Inc.

1100 High Ridge Rd. Stamford, CT 06905 (203) 322-4681

William Schmidt, President Total Sales FYE 12/82: \$5,000,000 Est. Computer Services Offered: . Software Products .

Professional Services • Turnkey Systems

#### Data Basics Corp.

151 West 40th St. New York, NY 10018 (212) 354-3870 Donn Liles, President Private

Total Sales FYE 6/82: \$2,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Data Belt Corporation

71 West 23rd Street New York, NY 10010 (212) 675-0200 D.J. Stark, President

Total Sales FYE 12/81: \$750,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

### Data Capital

See: Data Wholesale

#### Data Care Systems

2044 Armacost Ave Los Angeles, CA 90025 (213)826-4500 Paul Marchetti, President

### Data Center Corporation

2033 Pontius Ave. Los Angeles, CA 90025 (213) 473-4444 H.J. Groelinger, President Private

#### Data Communications Corporation

3000 Directors Row Memphis, TN 38131 (901) 345-3544 President, Chairman

Private Total Sales FYE 12/81: \$25,000,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$22,000,000 Est. Computer Services Offered: . Processing . Software Products • Turnkey Systems

### Data Companies (The), Inc.

11777 Katy Freeway Suite 5005 Houston, TX 77079 (713) 493-4281 William Goodwin, President

Computer Services Offered: • Turnkey Systems

#### Data Composition Services Inc.

13501 Baltimore Blvd. Laurel, MD 20810 (301)953-3196 Computer Services Offered: • Processing

#### Data Computation of Georgia, Inc. Acquired by: Automatic Data Processing, Inc.

#### Data Computer Center Inc. See: Texas Refinery Corporation

#### Data Computing Corporation

229 Baldwin Road Hempstead, NY 11551 (516) 481-7344 Charles Kornheiser, President

## Data Concepts 420 Bedford St.

Lexington, MA 02173 (617) 861-7620 Thorpe E Wright, President Total Sales FYE 7/82: \$6,000,000 Est. Computer Services Offered: • Software Products • Turnkey

#### Data Concepts Inc

420 Bedford St Lexington, MA 02173 (617)861-7620

Total Sales FYE 7/82: \$6,000,000 Est. Computer Services Offered: . Turnkey Systems

#### SUBSIDIARIES:

#### Rockford Research Inc

56 Boylston St Cambridge, MA 02138 (617) 876-6776 Calvin N. Mooers, President Computer Services Offered: • Software Products

#### Data Consultants Inc.

See: Lawgosser Brothers, Inc.

#### Data Consulting Associates Inc.

89 Locke Rd Chelmsford, MA 01824 (617) 256-3901 William R. Duffy, Sr., President Private Total Sales FYE 4/80: \$250,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

#### Data Conversion Systems

520 Michigan, N Suite 600 Chicago, IL 60611 (312)644-6700 Robert Laskow, President Private

#### Data Corp of Virginia, Inc.

See: National Bank of Virginia

## Data Courier, Inc. See: Courier Journal-Louisville Times

(702)386-8860

Data Cybernetics 540 Highland Dr., S. Las Vegas, NV 89106

#### Data Design Associates, Inc.

1250 Oakmead Prkwy, Ste. 310 Sunnyvale, CA 94086 (408)730-0100 David D. Lowry, President Private Total Sales FYE 3/82: \$4,243,000 Computer Services Offered: • Software Products

#### Data Development Inc. 104 Broughton Avenue Bloomfield, NJ 07003

(201) 429-8595
Peter Planer, President
Private
Total Sales FYE 7/82: \$1,400,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### Data Dimension Inc.

50 Washington Street Norwalk, CT 06854 (203) 853-2290 Kenneth E. Wortz, President

#### Data Directions, Inc.

7700 Edgewater Drive
Oakland, CA, 94621
(415) 632-4303
Robert McCoy, President
Private
Total Sales FYE 7/82: \$2,500,000
Computer Services Offered: \* Software Products \*
Professional Services \* Turkev Systems

#### SUBSIDIARIES:

#### New Directions 7700 Edgewater Dr

Oakland, CA 34621 (415)632-2996 Stephen L. Anderson, President Computer Services Offered: • Professional Services

### Data Factory, Inc. See: OR/MS Dialogue, Inc.

Data Financial Systems

See: Equifax Inc.

### Data Financial Systems Inc.

P.O. Box 15411
Phoenix, AZ 85060
(602) 959-9240
Roy Kingsley, President
Private
Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

#### Delta Computer Systems

P O Box 15411 Suite 145F Phoenix, AZ 85060 (602)952-1600 William Callahan, President Computer Services Offered: • Turnkey Systems

#### Data Flow Inc.

1111 N. Westshore Blvd. Suite 700
Tampa, FL 33623
(813) 872-5635
Martin Sullivan, Chairman
Private
Total Sales FYE 12/81: \$1,000,000
Computer Services Offered: • Processing

#### **Data General Corporation**

Route 9
Westboro, MA 01581
(617) 366-8911
Edson D. deCastro, President
Public
Total Sales FYE 9/81: \$737,000,000
Cptr. Sve. Revs. FYE 9/81: \$388,900,000
Cptr. Sve. Revs. FYE 9/81: \$388,900,000
Cptr. Sve. Revs. FYE 9/81: \$

#### Data Inc.

4620 Lee Highway Arlington, VA 22207 (703) 524-0400 Tom Christensen, President Computer Services Offered: • Processing • Turnkey Systems

### Directory of Computer Services Companies

#### SUBSIDIARIES:

#### Cado Systems of MD, Inc.

2065 York Road Timonium, MD 21093 (301)561-0525 H.F. Horowitz, President

Private Computer Services Offered: • Turnkey Systems

#### Data Inc.

604 Northwest Sioux Falls, SD 57001 (605) 336-3306 Ron Erb, President Computer Services Offered: • Processing

### Data Index Incorporated

4390 Alpha Rd. Dallas, TX 75234 (214) 386-3929 Robert L. McIntire, President Private Total Sales FYE 6/82: \$300,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

## Data Information Science Center PO Box 3185

Salem, OR 97302 (503)581-7140 John Dahl, President

Total Sales FYE 5/80: \$750,000 Est. Computer Services Offered: • Processing • Turnkey

#### Data Information Systems Corporation Name changed to: DISC. Inc.

#### Data Input Services Corp. See: Brault, Strauchman Associates

Data Law Company 7308 South Alton Way Englewood, CO 80112

(303)773-8193 William J. Eggert, President

Total Sales FYE 12/81; \$575,695 Computer Services Offered: • Software Products

### Data Line Service Company See: Pomona 1st Fed. Savings & Loan & Santa Fe Fed.

Savings & Loan

Data Management Group 2970 North 7Th St Phoenix, AZ 85003 (602)263-7865

Computer Services Offered: • Software Products

#### Data Management Inc.

1325 Wilkes St. Alexandria, VA 22314 (703) 549-0890 Roger Lawson, President

Computer Services Offered: • Processing • Professional Services

#### Data Management Inc.

7601 Bush Lake Rd Edina, MN 55435 (614)831-3350 Keith R. Johnson, President Private

Total Sales FYE 8/81: \$440,083

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Data Management Services Inc.

9868 Monroe Dallas, TX 75220 (214)350-9479 Computer Services Offered: . Processing

#### Data Marc Inc

1251 Colombia St Richardson, TX 76903 (214)783-1691 Computer Services Offered: . Software Products

#### Data Plus

Name changed to Datacor Services Inc.

#### Data Prep Corporation

7115 Leesburg Pike Falls Church, VA 22046 (703) 532-1775 Richard L. Scholl, President Private Total Sales FYE 6/80: \$2,500,000 Est. Computer Services Offered: • Processing

#### Data Probe Inc.

404 Park Avenue South New York, NY 10022 Ari Banchana, President Private

Computer Services Offered: • Processing

#### Data Processing & Accounting Services See: C & T Management

#### Data Processing Business Systems

4738 West Peterson Chicago, IL 60646 (312) 286-0441 J.F. Callahan, President

Computer Services Offered: • Processing

#### Data Processing Center Inc. 3920 Howard Ave

New Orleans, LA 70125 John D. Pepperman, President

Total Sales FYE 11/81: \$1,100,000 Computer Services Offered: • Processing

#### Data Processing Consultants 2405 San Pedro,

Albuquerque, NM 87110 (505) 884-6042 Steve A. Chavez, President Private

Total Sales FYE 12/81: \$300,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Data Processing Design, Inc.

181 Orangethorpe Suite F Placentia, CA 92670 (714) 993-4160 Steve Abbott, President

Private Total Sales FYE 7/82: \$4,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Data Processing Enterprises 914 S. Hoover Street

Los Angeles, CA 90006 (213) 380-7200 Murray Chesis, President

Computer Services Offered: • Processing

#### Data Processing of the South Inc. See: Electronic Data Systems Corporation

Data Processing Security, Inc. 200 N.E. Loop 820 Fortworth, TX 76112 (817) 457-9400

Louis Scoma, President

Private Total Sales FYE 1/80: \$2,500,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

#### Data Processing Services

908 Penn Avenue Pittsburgh, PA 15222 (412) 261-3730

Walter Haupl, President

Computer Services Offered: • Processing • Professional

### Data Processing Services Inc.

8604 Allisonville Indianpolis, IN 46250 (317)842-8300

Professional Services

Daniel E. Barrow, President Private Computer Services Offered: • Software Products •

#### Data Processing Services Inc.

5221 E 3Rd Ave Spokane, WA 99206 (509) 838-5291 Roger T. Stilson, President

## Data Processing Services Inc. 4710 Eisenhower Blvd.

Tampa, FL 33614 (813) 884-8457

William P. Lynch, President

Computer Services Offered: • Processing

Data Processing Services of Findlay 101 1/2 W. Sandusky Street Findlay, OH 45840 (419) 423-8575

Jack Maples, Director Private Computer Services Offered: • Processing

### Data Processors Inc. (307) 234-7308

P.O. Box 2660 Casper, WY 82601

David R. Sutherland, President

Computer Services Offered: • Processing • Turnkey Systems

#### Data Resources, Inc. See: McGraw-Hill

#### Data Retrieval Corp

5600 W Brown Deer Rd PO Box 23437 Milwaukee, WI 53223

(414)355-5900 Computer Services Offered: . Turnkey Systems

#### Data Science Corporation

3304 Olive Street St. Louis, MO 63103 (314) 535-5900 Byrne F. Belcher, President

Private Computer Services Offered: • Processing

### Data Services Corporation

705 Airport Blvd PO Box 1746 Ann Arbor, MI 48106

(313) 769-1415 Gerald K. Swain, President

Computer Services Offered: • Processing • Turnkey

#### Data Solutions Inc.

1015 E Hillsdale Blvd, Ste 209 PO Box 4251 Foster City, CA 94404 (415)574-2262

Private

Systems

Computer Services Offered: • Turnkey Systems

#### Data Structures, Inc.

122 E. 42nd St. Suite 1700 New York, NY 10017 (212) 697-9305

Colm Kelly, President

Private Total Sales FYE 8/81: \$1,500,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Data Systems Analysts, Inc.

North Park Dr. & Airport Hwy. Cooper Park Building

Pennsauken, NJ 08109 (609) 665-6088

Charles H. Margolin, President

Private Total Sales FYE 12/80: \$6,700,000

Computer Services Offered: • Professional Services

#### Data Systems Consultants

60 Glen Ave. Glen Rock, NJ 07452 (201) 447-5360 Ron Formella, President

Total Sales FYE 12/81: \$1,700,000 Cptr. Svcs. Revs. FYE 12/81: \$1,400,000

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

Data Systems Consulting Corporation See: Computer Network Corporation (Comnet)

Data Systems Corporation

8827 Staples Mill Rd. Richmond, VA 23228 (804) 264-7300 A. Paul Cox, Jr., President Total Sales FYE 7/80: \$2,000,000 Est. Computer Services Offered: . Processing

Data Systems Design, Inc.

2241 Lundy Ave San Jose, CA 95131 (408)946-5800

Data Systems for Industry

See: Technology Management Systems International

Data Systems of Arizona

2222 W. Encanto Blvd. Phoenix, AZ 85009 (602) 257-0965 Sam Babson, President

Computer Services Offered: • Software Products • Turnkey Systems

Data Systems of Baton Rouge

8939 Jefferson Highway Baton Rouge, LA 70809 (504) 923-0888

Daniel R. Henderson, President

Total Sales FYE 7/81; \$750,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Data Systems of California

954 Chestnut Street San Jose, CA 95110 (408) 286-4044 Tom Straughn, President

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

Data Systems, Inc.

See: Desa Inc. Data Systems, Inc.

25 McDowell Rd., W Phoenix, AZ 85003 (602)252-3474 Computer Services Offered: . Processing

Data Systems, Inc. 975 SE Sandy Blvd Portland, OR 97214 (503)233-5126 William F. Holdner, President

Total Sales FYE 10/80: \$261,721 Computer Services Offered: • Processing

Data Tabulating Corporation 1910 E. Meadowmere Springfield, MO 65804

(417) 869-1827 Wayne Kendall, President

Private Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Data Technical Analysts

2828 Paa St., Stc. 3000 Honolulu, HI 96819 (808)833-0051 Frank Fukunaga, President Computer Services Offered: . Software Products

Data Technology Industries

Merged with: Science Management Corporation

Data Train, Inc. 840 N.W. 6th St, Suite 3

Grants Pass, OR 97526 (503) 476-1467 Robert Schillinger, President
Total Sales FYE 5/81: \$350,000
Computer Services Offered: • Software Products

Data Universal Corp.

1485 Teaneck Rd Teaneck, NJ 07666 (201) 837-2700 Gary Mokotoff, President Private

Total Sales FYE 5/82: \$1,300,000 Computer Services Offered: • Processing • Professional Services

Data Wholesale

DIVISIONS:

Data Capital 700 Whitney

San Leandro, CA 94577 (415) 638-1206 Private

Computer Services Offered: . Turnkey Systems

Data 1 Associates

7030 Spring Garden Dr. Springfield, VA 22150 (703)451-4366

Computer Services Offered: • Processing • Professional Services

Data 21

19110 Van Ness Ave Torrance, CA 90501 (213)320-7110

Computer Services Offered: . Software Products

#### Data 3 Systems

3450 Mendoano Ave Santa Rosa, CA 95401 (707) 528-6560 Richard C Anderson, President

Private

Total Sales FYE 6/82: \$700,000 Est. Computer Services Offered: • Processing

#### Data-Mate Inc

4135 South 100Th East Ave Suite 101 Tulsa, 0K 74145 (918)664-7276 Brad Jensen, President Total Sales FYE 7/82: \$500,000 Computer Services Offered: . Software Products

Data-Pack Inc.

269 Brookside Road, Box 2116 Waterbury, CT 06720 (203) 756-7077 William Brazilchuk, President

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Data-Power

5750 Fairfax Commerce City, CO 80022 (303) 288-0721 Russ Lowery, President

Computer Services Offered: • Processing • Software Products

#### Data-Tax, Inc.

710 Ogden Ave, E. Naperville, IL 60540 (312)369-2414 Richard A. Stvan, President Total Sales FYE 6/82: \$600,000 Computer Services Offered: • Software Products

#### Data-Tek Corporation

1211 Chestnut Street Suite 400 Philadelphia, PA 19107 (215) 564-4133 H. Gus Mechalas, President

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Data-Tronics Corporation

See: Arkansas Best Corporation

#### Databank

6830 North Lincoln Avenue Lincolnwood, II, 60646 (312) 674-6800 Lester Stein, President Private

Computer Services Offered: • Professional Services

## Database Design Incorporated 2020 Hogback Rd

Ann Arbor, MI 48104 (313)971-5363 Don Brown, President Total Sales FYE 6/81: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

Database Systems Corp. 1846 Camelback Rd. Phoenix, AZ 85016 (602)265-5968 William McCluskey, President Computer Services Offered: . Software Products

### Datability Software Systems 500 10th Ave.

New York, NY 10018 (212) 736-6260 Computer Services Offered: • Software Products

#### Datacare Inc.

See: Ashland Oil Inc.

#### Datachron Corporation

174 Fifth Avenue New York, NY 10010 (212) 675-5333 Martin Zeitlin, President & CEO Total Sales FYE 5/80: \$800,000 Est. Computer Services Offered: . Software Products

#### Dataco Computer Services

See: Louisville Tabulating Service Bureau

#### Dataco, Inc.

See: Robertson Financial Corp.

#### Datacom Systems Corporation

1501 Broadway New York, NY 10036 (212) 840-1177 Joseph Peldario, President Private Total Sales FYE 6/80: \$6,000,000 Computer Services Offered: • Processing • Professional Services

### Datacope P.O. Box AA Hillcrest Sta.

Little Rock, AR 72205 (501) 664-2715

Datacor Services Inc. 1010 Westwood Blvd., Ste 400 West Los Angeles, CA 90064 (213)208-5621 John McCutcheon, President
Total Sales FYE 12/81: \$1,600,000
Computer Services Offered: • Processing • Software Products

### Datacrown Inc.

See: Crown Life Insurance Co.

### Directory of Computer Services Companies

#### Datafast Inc.

132 Montgomery Street Scarsdale, NY 10583 (914) 472-0165

James Dellarmi, President

Computer Services Offered: • Processing

#### Dataflo Systems

Merged into Equifax Services Inc.

### Dataflow Systems, Inc.

7758 Wisconsin Avenue Bethesda, MD 20014

(301) 654-9133

Bill Doudnikoff, President

Total Sales FYE 5/82: \$850,000

Computer Services Offered: • Professional Services

### Datagraphic Computer Services, Inc.

6856 Tujunga Ave. North Hollywood, CA 91605

(213) 877-3171

Albert J. Cadis, President

Computer Services Offered: • Processing • Software Products • Professional Services

#### **Dataguard Corporation**

15 Spinning Wheel Rd

Hinsdale, IL 60521 (321)789-2277

Computer Services Offered: • Software Products

#### Datair Systems Corporation

2137 S. Lombard Ave Chicago, IL 60650

(312)652-4840 Andreas Tegtmier, President

Computer Services Offered: • Professional Services

### Datalex Company

650 Fifth St.Ste 406 San Francisco, CA 94107 (415)541-0780

Carolyn Morris, President

Private Total Sales FYE 10/82: \$300,000 Computer Services Offered: . Software Products

### Datalift Corporation

320 Market St., 5th Fl. San Francisco, CA 94105 (415)777-2351 Bob McGowan, President

Private Total Sales FYE 12/81: \$1,500,000

Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Key Data Services Inc.

4560 Horton St Emeryville, CA 94608 (415) 658-9582 Bob Overton, President

Private Total Sales FYE 12/81: \$500,000 Computer Services Offered: • Processing

Dataline Corporation

4 Danbury Road
Wilton, CT 06897
(203) 762-2473 Hugh Bell, President

Computer Services Offered: • Turnkey Systems

### Dataline Systems Ltd.

175 Bedford Rd. Toronto, ON M5R2L (416) 964-9515 J.C. Paradi, President

Public Total Sales FYE 12/81: \$9,943,000

Computer Services Offered: • Processing • Professional Services

### Datalink Systems Inc. See: Carlton Financial Systems

#### Datalogics Inc. See: Interscience Inc.

Dataman Corporation 1440-840 Seventh Ave, S.W. Calgary, AB T2P3G (403) 266-4638

Computer Services Offered: . Software Products

Datamap, Inc. 9749 Hamilton Rd. Eden Prairie, MN 55344 (612)941-0900

Private Cptr. Svcs. Revs. FYE 7/80: \$300,000 Est.

Computer Services Offered: Processing

# Datamate Company, Inc 4135 South 100th Ave, Ste 101 Tulsa, OK 74145 (918)664-7276

Computer Services Offered: . Software Products

#### Datamatic

3713 Princeton Drive Santa Rosa, CA 95405 (707) 544-8848 Joseph Logan, President

# Trival Sales FYE 8/82: \$3,000,000 Est. Cptr. Svcs. Revs. FYE 8/82: \$1,000,000 Est. Computer Services Offered: Processing • Software Products • Professional Services

Datamatics Inc. 2120 L St., N.W. Suite 102 Washington, DC 20037 (202)466-7604 Arthur M Hughes, President

Private Computer Services Offered: • Processing • Professional

#### Datamatics Management Services

140 Sylvan Ave Englewood Cliffs, NJ 07632 (201) 947-6100 Norman Heinle, President

Total Sales FYE 12/80: \$750,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Resource Software International, Inc. 330 New Brunswick Ave

Fords, NJ 08863 (201)738-9600 Robert K. Boustedt, President

Computer Services Offered: • Software Products • Professional Services

### Datamation Inc.

5050 N. 19th Ave Phoenix, AZ 85015 (602)242-3793

Computer Services Offered: • Processing • Turnkey

#### DataMed Systems Corporation

7301 Topanga Canyon Blvd Canoga Park, CA 91303 (213)887-3300

Computer Services Offered: . Turnkey Systems

#### Datamedix

See: Becton Dickinson & Co.

#### Datamor

See: Korvettes

#### Datanetics

226 Meyran Pittsburgh, PA 15213 (412) 621-7358

Jerome V. Lisovich, Director

Total Sales FYE 12/80: \$300,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Datanex, Inc.

P.O. Box 30008 Eugene, OR 97403 (503) 687-2520 Jack Delay, President

Private Computer Services Offered: • Processing • Software Products • Professional Services

# Dataplex Company 9030 North Fwy,Ste 104 Houston, TX 77034

(713)448-4046 Robert C Raulins, President Computer Services Offered: • Processing • Software

Datatab Chicago Inc.

See: Datatab Inc

Products

#### Datatab Inc.

770 Broadway New York, NY 10003 (212)475-7800 Sanford C. Adams, President Public

Total Sales FYE 12/81; \$5,589,252 Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Datatab Chicago Inc.

740 North Rush St. Chicago, IL 60611 (312)943-1323 Lee Gallaher, President Computer Services Offered: • Processing • Turnkey Systems

#### Datatel Inc. 3700 Mt. Vernon Avenue

Alexandria, VA 22305 (703) 549-4300 Earl G Kendrick, Jr. Chairman Private Total Sales FYE 12/81: \$15,000,000 Computer Services Offered: . Processing . Software Products . Turnkey Systems

#### SUBSIDIARIES:

#### Datatel Minicomputer Company (DMC) 3700 Mt. Vernon Avenue

Alexandria, VA 22305 (703) 549-4300 Thomas R. Davidson, President

### Datatel Minicomputer Company (DMC)

See: Datatel Inc.

#### Datatend, Inc. 3914 Beau D'Rue Dr

Egan, MN 55122 (612)456-1526 Computer Services Offered: . Software Products

#### Datatronic Systems Corporation Computer Sciences Div.

14421 Chase St P O Box 44128 Panorama City, CA 91402 (213) 988-5290 M.P. Milane, President Computer Services Offered: • Processing

#### Dataware, Inc. 2565 Elmwood Ave.

Buffalo, NY 14217 (716) 876-8722 Chester Czekaj, President Private

Total Sales FYE 3/80: \$1,000,000 Est. Computer Services Offered: . Software Products . Professional Services

- 79 ---

Dataword, AMI 1404 N.E. 140th Pl. Bellevue, WA 98007

(206)643-2050 Bruce D. Milne, President

Computer Services Offered: • Software Products • Turnkey

Datex Inc

12 Main St,E East Palestine, OH 44413 (216)426-4349 John W Henry, President

Computer Services Offered: • Software Products

Datran Corporation

319 Peck Street New Haven, CT 06513 (203) 787-5801 Edward Cholakian, President

Computer Services Offered: • Professional Services

Datronic Systems, Inc.

1729 N Central Expwy,Ste C Plano, TX 75075 (214)422-7711 Computer Services Offered: • Software Products

Datronics, Inc

675 3rd Ave New York, NY 10017 (212)867-0800 Erwin Kaplin, President

Total Sales FYE 7/82; \$6,600,000 Est. Computer Services Offered: • Professional Services

Davidson Software Systems

P.O. Box 21002 Lansing, M1 48909 (517) 332-5989

Richard E. Davidson, Jr., President Total Sales FYE 12/80: \$100,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Dawson Geophysical Company

208 Marienfeld.S Midland, TX 79701 (915)682-7356 L Decker Dawson, President Public Total Sales FYE 9/81: \$16,028,000 Cptr. Sycs. Revs. FYE 9/81: \$2,400,000 Computer Services Offered: • Processing

Daxco

6220 S. Orange Blossom Trail Orlando. FL 32809 (305) 855-7162 Ogale E. Ray, President Private

Total Sales FYE 12/81: \$2,100,000

Computer Services Offered: • Turnkey Systems

Day & Zimmerman

1818 Market St Philadelphia, PA 19103 (215)299-8000

Harold L Yoh, Chief Executive Officer

Total Sales FYE 12/81: \$175,000,000 Cptr. Svcs. Revs. FYE 12/81: \$9,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Daytona Data Center

P.O. Box 2119-65 Coral Sea Ave Daytona Beach, FL 32015 (904) 252-3633 Charles H. Hosbein, President

De Anza Systems, Inc. 118 Charcot Ave San Jose, CA 95131 (408)263-7155

Computer Services Offered: . Software Products

Deacom Data Consultants, Inc.

4 Prospect Ave Garden City, NY 11530

(516) 294-0388 Tom Deacom, President

Dealer Services Corp.

10 Executive Mall P.O. Box 875 Valley Forge, PA 19481 (215)687-9100 Nelson Bobb, President Private Total Sales FYE 12/80: \$12,000,000 Cptr. Svcs. Revs. FYE 12/80: \$2,400,000
Computer Services Offered: • Software Products

SUBSIDIARIES:

Software Information Systems

10 Executive Mall, Ste 146 Wayne, PA 19087 (215) 688-2951 Nelson Bobb, President

DeBugge Computer Services Inc.

499 E. Palmetto Park Rd Boca Raton, FL 33432 (305) 392-0541 John P. Foss, President

Private Total Sales FYE 7/81: \$1,000,000 Est. Computer Services Offered: . Processing . Software

Products • Professional Services • Turnkey Systems

Decimus Corporation

See: Bank of America Corporation

Decision Concepts, Inc. 415 Madison Ave

New York, NY 10017 (212) 751-5822 E.W. Rodrigues, President

Private Computer Services Offered: • Software Products •

Professional Services

### Directory of Computer Services Companies

Decision Focus Inc. 5 Palo Alto Square Suite 410

Palo Alto, CA 94303 (415) 494-7721 Dean W. Boyd, President

Total Sales FYE 12/81: \$2,000,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

**Decision Graphics** 11 Main Street

Southborough, MA 01772 (617) 481-4119 John B. Nisson, President Private

Total Sales FYE 7/81: \$850,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Decision Products Services, Inc See: Planning Decisions Group Inc.

Decision Resources, Inc

PO Box 309 Westport, CT 06881 (203)222-1974

Computer Services Offered: • Software Products

Decision Science Inc. 4901 Morena Blvd.

San Diego, CA 92117 (714) 273-2922 Lawrence J. Fogel, PH.D., President

Computer Services Offered: • Software Products • Professional Services

**Decision Sciences Corporation** 

Fox Pavillon, Suite 528 Jenkintown, PA 19046 (215) 887-1970 Donald F. Blumberg, President

Private Total Sales FYE 6/82: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

Telecommunications Management Corp.

6380 Wilshire Blvd., Stc. 808 Los Angeles, CA 90048 (213)653-0810 Carl Pilnick, President

Computer Services Offered: • Professional Services

Decision Strategy Consulting Group

708 Third Avenue New York, NY 10017 (212)867-7225 Martin Sternlicht, President Private

Decision Support Systems, Inc. (DSS)

Merged with Micro Data Systems, Inc.

Decision Systems, Inc.

200 Route 17 Mahwah, NJ 07430 (201) 529-1440

Decision Systems, Inc. 145 Soo Line Building 5Th And Marquette Ave Minneapolis, MN 55402 (612) 338-2585

Richard Borchers, President

Total Sales FYE 12/81: \$950,000 Computer Services Offered: 

Processing 

Software Products 

Professional Services

SUBSIDIARIES:

Minnesota Information Systems

Corporation

145 Soo Line Building Minneapolis, MN 55402 (612)338-2585 Richard Borchers, President

Computer Services Offered: • Software Products

Decisions Development, Inc.

115 East 9th Street Suite 16 A New York, NY 10003 (212) 254-8405 Donald C. Holmes, President Total Sales FYE 7/82: \$300,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

Dedicated Minisystems for Banking Inc. See: Bowers and Davis, Consultants and Engineers

Dedicated Systems, Inc.

Aquired and merged into Information Management Technologies

Deitch Group, Inc. 1716 Ocean Ave

San Francisco, CA 94112 (415) 956-5740

Del Bron Inc 2767 Olive Highway, Ste 8

Oroville, CA 95965 (916)533-6332 J. L. Bronson, Chairman

Private Total Sales FYE 7/82: \$450,000 Est. Computer Services Offered: • Turnkey Systems

Del Rey Systems, Inc. 8929 Sepulveda Blvd. Suite 105 Los Angeles, CA 90045 (213) 417-4993 Jonathan A. Humphry, President Total Sales FYE 6/82; \$1,500,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

Del-Data Computer Services See: Independent Newspapers Inc.

DeLair Data Systems, Inc. 2639 North 33rd Avenue

Phoenix, AZ 85009 (602) 269-8373 W.F. Del.air, President

Deloitte Haskins & Sells

114 Avenue of the Americas 19th Floor New York, NY 10036 (212)790-0500

Cptr. Svcs. Revs. FYE 6/81: \$21,000,000 Est.

Computer Services Offered: • Professional Services

Delphi Associates, Inc. See: Little, Arthur D., Inc.

Delphi Data Systems, Inc.

9905 Hamilton Rd Eden Prairie, MN 55344 (612)941-9182 David Haertzen, President

Private
Total Sales FYE 10/82: \$450,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Delphi Systems Inc.

4605 Lankershim Blvd. North Hollywood, CA 91602 (213) 985-7070 Kenneth W. Bitticks, President

Total Sales FYE 3/80: \$1,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Delta Computer Systems
See: Data Financial Systems Inc.

D. Ir. D. Y

Delta Resources Inc.

Acquired by: Volt Information Sciences Inc.

Demarco-Shatz Corporation

PO Box 3624 Redondo Beach, CA 90277 (213) 533-5080

Densichron Division

See: Sargent-Welch Scientific Co

Denver Processing Center, Inc 910 15th St, Ste 200 Denver, CO 80202

Denver, CO 80202 (303)\$71-1170 Hugo Puliju, President Computer Services Offered: • Processing

Denver Software Company, The

14100 E Jewell Ave, Ste 15 Aurora, C0 80012 .(303)750-9980 Harald Blakeslee, President

Private
Total Sales FYE 7/82: \$1,200,000 Est.

Computer Services Offered: • Software Products

Desa, Inc.

Two Plymouth Commons Plymouth Meeting, PA 19462 (215) 825-6803 Richard Thompson, President

Computer Services Offered: • Processing

SUBSIDIARIES:

Data Systems, Inc.

6500 Barrie Rd. Edina, MN 59435 (612) 925-0200

Gary Nichols, Vice President
Computer Services Offered: 

Processing

Information Control Inc.

6700 Corporate Dr. Kansas City, MO 64120 (816) 483-6900 Gary Abernathy, President

Computer Services Offered: • Processing

Input Services, Inc.

2675 Cumberland Parkway N.W. Atlanta, GA 30339 (404) 432-0107 Albert Wiggins, President Total Sales FYE 6/81: \$1,450,000 Computer Services Ofered: Processing

Desert Data Centers Inc.

805 S. Hohokam Dr. Tempe, AZ 85281 (602) 968-3411 Rod Langum, President

Computer Services Offered: • Processing

Design Aids, Inc.

27822 El Lazo Rd Laguna Niguel, CA 92677 (714)831-5611 Roger Rutman, President

Private
Total Sales FYE 12/81: \$1,000,000
Cptr. Svcs. Revs. FYE 12/81: \$900,000
Computer Services Offered: \* Software Products

Designers & Builders of Information Systems

1 Mayfair Road Eastchester, NY 10707 (914) 779-5292 Edward Baron, President Private Total Sales FYE 8/81: \$980,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

DesignWare 185 Berry St, Ste 158

San Francisco, CA 94107 (415)546-1866 James Schuyler, President Private

Desk Top Financial Solutions Inc

407 Main St Spotswood, NJ 08884 (201)251-7191

Computer Services Offered: • Software Products

#### Development Systems International

4721 Laurel Canyon, Ste 205 Suite T North Hollywood, CA 91607

(213) 985-4260 Norman H. Carter, President Private

Total Sales FYE 6/82: \$550,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Dewar Information Systems Corporation 221 West Lake Street Oak Park, IL 60302

(312) 524-1644 S. Dewar, President

Private Computer Services Offered: • Software Products • Professional Services

## Dexel Systems Corporation 479 North Potomac St

Hagerstown, MD 21740 (301)790-1177

Terry E Karn, President Private

Total Sales FYE 12/81: \$300,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Dial Computer Systems Corporation

See: Dial Corporation

#### Dial Corporation

#### SUBSIDIARIES:

### Dial Computer Systems Corporation

207 Ninth Street
Des Moines, IA 50307
(515) 243-2131
T. Joseph Wahrer, President
Total Sales FYE 12/81: \$11,000,000
Computer Services Offered: • Processing • Professional

Dial Tyme 2100 M Street, NW Washington, DC 20063 (202) 872-5406 Delbert J. Clark, President

Computer Services Offered: • Processing

Dial, D.H. & Company Murray Financial Center 5550 LBJ Frwy, LB-1 Dallas, TX 75240 (214)458-0987 Computer Services Offered: • Software Products

#### Dialcom Inc. See: ITT

## Dialog Information Services, Inc. See: Lockheed Aircraft Corporation

Dialogue Inc. 19 Rector Street 35th Floor New York, NY 10006 (212) 425-2665 Ambar G. Rao, President

#### Dickerman Associates Inc.

99 State St Boston, MA 02109 (617) 367-5754 Howard Dickerman, President Computer Services Offered: • Software Products

#### Dickey Grabler Company, The

#### SUBSIDIARIES:

#### Pioneer Software, Inc

4239 W 105th St Terminal West Park Bldg Cleveland, OH 44135 (216)251-4900 William Primrose, President Total Sales FYE 6/82: \$750,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Digicomp Research Corp.

Ithaca, NY 14850 (607) 273-5900 Computer Services Offered: • Turnkey Systems

#### Digicon Inc.

3701 Kirby Drive Houston, TX 77098 (713) 526-5611 Edward R. Prince Jr., President Public Total Sales FYE 7/82: \$163,126,000 Cptr. Svcs. Revs. FYE 7/82: \$74,600,000 Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Digidat Systems Inc.

7 Westchester Plaza Elmsford, NY 10523 (914) 592-5334 Stephen Tomback, President Private Total Sales FYE 11/81: \$500,000 Est. Computer Services Offered: • Processing

#### Digital Business Systems, Inc.

95 Main St. Reading, MA 01867 (617) 942-0220 Joseph McGonagle, President Private

Computer Services Offered: • Software Products • Turnkey Systems

#### Digital Concepts Inc. 45 Maple St.

Marlboro, MA 01752 (617) 485-4238

#### Digital Datacom Inc.

27721 La Paz Rd. Suite K Laguna Niguel, CA 92677 (714)831-8470 William Wright, President Public Total Sales FYE 6/82: \$632,025 Computer Services Offered: • Turnkey Systems

### Directory of Computer Services Companies

#### Digital Equipment Corporation

46 Main Street Maynard, MA 01754 (617) 897-5111 Kenneth H. Olsen, President

Public Total Sales FYE 12/81: \$319,800,000 Cptr. Svcs. Revs. FYE 12/81: \$120,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Digital Information Systems Corp. (DISC)

Sacramento, CA 95827 (916)363-7385 Ken Lidster, President Private

Total Sales FYE 12/81: \$600,000 Computer Services Offered: • Software Products

#### Digital Microsystems

1840 Embarcadero Oakland, CA 94611 (415) 532-3686 John Torode, President

Private Total Sales FYE 3/81: \$9,900,000 Cptr. Svcs. Revs. FYE 3/81: \$1,300,000 Computer Services Offered: • Software Products

# Digital Research Inc. 160 Central Ave P.O. Box 579 Pacific Grove, CA 93950

(408) 649-3896 Gary Kildall, President Private

Total Sales FYE 8/81; \$6,900,000 Est. Computer Services Offered: • Processing • Software

#### Digital Resources International, Inc

SUBSIDIARIES:

#### Digital Resources Corporation

5151 Mitchelldale Suite A10 Houston, TX 77092 (713) 688-8300 (713) 688-8300 Richard Muriby, President Total Sales FYE 1/81: \$3,000,000 Est. Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Digital Resources Corporation

See: Digital Resources International, Inc.

#### Digital Solutions Inc.

100 Menlo Park Edison, NJ 08817 (201) 549-1700

Total Sales FYE 9/80: \$1,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Digital Systems of Florida, Inc. See: Wyly Corporation

Digital Systems Inc. See: Computer Resources Inc.

#### Digital Technology Group

#### SUBSIDIARIES:

### Continental Data Processing, Inc. 300 Larid Street, Box 1385

Wilkes-Barre, PA 18702 (717) 824-9868 Paul Gozick, President Private Total Sales FYE 12/81: \$925,000 Computer Services Offered: • Processing

#### Digitech Ltd

SUBSIDIARIES:

Digitech Systems 500 441-5th Ave, S.W. Calgary, AB T2P2V (403)265-3484 Don Simpson, General Manager
Cptr. Svcs. Revs. FYE 7/80: \$10,000,000 Est.

Computer Services Offered: • Processing • Software Products . Professional Services

#### Digitech Systems See: Digitech Ltd

# Digitgraph Computers Systems Co 2010 N Forbes Rd PO Box 5907 Tuscon, AZ 85703

(602)622-1006 John Kaur, President Computer Services Offered: • Processing

#### Dikewood Industries, Inc. See: John Hancock Mutual Insurance

## Dimension Systems Corp 9948 Hilbert St

San Diego, CA 92131 (619)693-8888 Computer Services Offered: • Software Products • Turnkey Systems

### DIMIS, Inc.

1806 Highway 35 PO Box 2293 Ocean, NJ 07712 (201)531-2300 Bentley J. Cooper, President Public

Total Sales FYE 12/81: \$3,048,000 Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

#### R&B Computer Systems 1954 E. University

Tempe, AZ 85281 (800) 528-7385 Charles Booth, President Computer Services Offered: • Professional Services

#### Direct Merchandising Services

400 S Edward Mt Prospect, IL 60056 (312)398-7800 Ray G Houen, President

Private Computer Services Offered: • Processing

#### DIVISIONS:

AIMS Management Systems

400 S. Edward St.
Mt. Prospect, IL 60056
(312)398-7845
Arthur Moston, President
Computer Services Offered: • Processing

Directions Inc

1740 N. Collins Blvd Richardson, TX 75081 (214) 238-8250 Terry W. Berndt, President

Total Sales FYE 7/82: \$1,600,000

Computer Services Offered: • Software Products

DISC/310 Corporation

1840 Lincoln Blvd. Santa Monica, CA 90404 (213) 451-8911

DISC, Inc. 3837 Naylors Ln.

3837 Naylors Ln. Baltimore, MD 21208 (301)486-0410 H. Allen Luray, President Private

Total Sales FYE 3/81: \$1,200,000 Est.

Computer Services Offered: • Software Products

Disco-Tech

P.O. Box 11129 Santa Rosa, CA 95406 (707) 523-1600

Dispersed Software Systems, Inc. (DSS)

80 Wall St., Suite 1013 New York, NY 10005 (212) 363-2717 Computer Services Offered: • Software Products

Display Data Corp

Executive Plaza 4 Hunt Valley, MD 21031 (301)667-9211 Computer Services Offered: • Turnkey Systems

Distributed Data Products Inc.

419 Occidental Ave. S
Seattle, WA 98104
(206) 625-1565

Distributed Systems Corp. 4 Lyberty Way P.O. Box 556 Westford, MA 01886

Westford, MA 01886 (617) 256-8742 James Cormier, President

Private
Total Sales FYE 6/81: \$4,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

SUBSIDIARIES:

**Bedford Computer Systems** 

4 Lyberty Way
Westford, MA 01886
(617) 275-0870
Roger Trudeau, President
Computer Services Offered: • Professional Services

Distribution Management Systems Inc.

INSTITUTION INTRINGENIEM SYSTEMS IN 81 Hartwell Ave Lexington, MA 02173 (617) 275-2000, President Private Total Sales FYE 9/81: \$10,873,000 Computer Services Offered: \* Turnkey Systems

Distribution Sciences Inc.

1350 E. Touhy Ave, Ste. 300W Des Plaines, IL 60018 (312)635-2000 Stephen R. Smith, President Private Total Sales FYE 6/82: \$8,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Distronics Corporation

See: Western Union Corporation

Diversified Computer Applications

Diversified Computer Systems

Greely, CO (303)356-2767 Computer Services Offered: • Software Products • Turnkey Systems

Diversified Data Processing & Consulting

5353 N. Federal Hwy. Ft. Lauderdale, FL 33308 (305) 772-0060

PO Box 1098

Diversified Data Resources, Inc.

25 Mitchell Blvd., Ste. 7 San Rafael, CA 94903 (415) 499-8870 Computer Services Offered: • Software Products

Diversified Data Systems Inc.

2601 N. Fairview Ave.
Tucson, Az S8705
(602) 792-3250
Donald W. Wyatt, President
Private
Total Sales FVE 12/81: \$1,500,000 Est.
Computer Services Offered: \* Software Products \*
Professional Services \* Turkey Systems

Diversified Software Systems Inc. (DSSI)
966 Minnesota Ave, Ste 205

966 Minnesota Ave, San Jose, CA 95125 (408)998-0414

### Directory of Computer Services Companies

#### Documan Software

P.O. Box 387 Kalamazoo, MI 49005

(616) 344-0805 Computer Services Offered: • Software Products

#### Donovan Data Systems Inc.

666 Fifth Avenue New York, NY 10019 (212) 586-0055 Private

#### DOSE Pharmacy Systems

1645 Dorchester Plano, TX 75074 (214)596-2105 George Brooks, President

Total Sales FYE 10/81: \$1,000,000 Est.

Computer Services Offered: . Software Products . Turnkey

#### Dow Jones & Company Inc. 200 West Monroe St.

Chicago, IL 60606 (312) 648-7666

#### DIVISIONS

#### Dow Jones Information Services

PO Box 300 Princeton, NJ 08540 (609)452-2000 William L Dunn, President Total Sales FYE 12/81: \$29,000,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### DIVISIONS:

#### Dow Jones News/Retrieval Service

Princeton, NJ 08540 (609)452-1511 William L Dunn, President Computer Services Offered: • Processing

### Dow Jones Information Services

See: Dow Jones & Company Inc.

#### Dow Jones News/Retrieval Service See: Dow Jones & Company Inc.

### Doyle Data Systems, Inc.

740 North Plankinton Milwaukee, W1 53203 (414) 271-5688 Jerry Doyle, President

Computer Services Offered: . Software Products . Turnkey

Drafting Dynamics 4615 Industrial Ave Simi Valley, CA 93063 Computer Services Offered: • Turnkey Systems

#### Dravac Ltd.

53 Deerhaven Rd. Suite 530 Mahwah, NJ 07430 (201)825-1616 Michael A. Lewis, President

#### Drew Chemical Corporation

#### DIVISIONS:

#### Drew Data Services

One Drew Chemical Plaza Boonton, NJ 07005 (201) 263-7661

#### Drew Data Services

See: Drew Chemical Corporation

#### **Dubuque Data Services** 840 Dubuque Building Dubuque, IA 52001

(319) 557-7300 Glen J. Callahan, President Private Total Sales FYE 6/81: \$1,200,000 Est. Computer Services Offered: • Processing • Software Products . Turnkey Systems

#### Dun and Bradstreet

299 Park Ave. New York, NY 10017 (212) 593-6800 Harrington Drake, President Cptr. Svcs. Revs. FYE 12/81: \$141,000,000 Computer Services Offered: . Processing . Software Products

#### SUBSIDIARIES:

#### National CSS, Inc. 187 Danbury Road

Wilton, CT 06897 (203) 762-2511 David Fehr, President Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

#### Multiple Funding Services Inc.

330 West 42nd St New York, NY 10036 (212)947-2000 Arthur Salzfass, President

#### TSI International Ltd. 50 Washington St.

Norwalk, CT 06854 (203) 853-2885 Ernest E. Keet, President

#### Zytron Corporation 2200 Sand Hill Road

Menlo Park, CA 94026 (415) 854-2306

#### Duquesne Systems Inc.

2 Allegheny Center, Ste 622 Pittsburgh, PA 15212 (412) 323-2600 Glen F. Chatfield, President Private

Total Sales FYE 9/82: \$3,500,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Dvorkovitz, Dr. & Associates

P.O. Box 1748 Ormond Beach, FL 32074 (904) 677-7033

Computer Services Offered: • Processing

#### Dyad Computer Systems Inc.

80 Bloor West Toronto, ON M5S 2 (416) 967-6565

### DYATRON Corporation P.O. Box 235 210 Automation Way

Birmingham, Al. 35201 (205) 956-7500 Bewerly P, Head, III, Chairman of the Board Public Total Sales FYE 12/81: \$41,605,000 Cptr. Svcs. Revs. FYE 12/81: \$34,045,000

Total Sales FYE 12/81: \$41,003,000
Cptr. Sves. Revs. FYE 12/81: \$34,045,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Dyer, Wells & Associates

4501 Circle 75 Parkway Suite 2190 Atlanta, GA 30339 (404)955-2290 Computer Services Offered: • Processing • Turnkey Systems

#### Dylakor Software Systems Inc.

17418 Chatsworth St PÖ Box 3010 Granada Hills, CA 91344 (213)366-1781 Bill Newcomer, President Private Total Sales FYE 8/82: \$2,000,000 Est. Computer Services Offered: • Software Products

Dynabyte 115 Independence Dr.

Menlo Park, CA 94025 (415) 329-8021 Michael Watts, President

#### Dynamco Data Systems

2639 Manana Drive Dallas, TX 75220 (214)353-0918 Computer Services Offered: • Software Products

### Dynamic Concepts, Inc.

27122 El Moro Mission Viejo, CA 92691 (714) 770-1191 Douglas Chadwick, President

Computer Services Offered: • Software Products

#### **Dynamic Control Corporation**

250 Bird Rd
Coral Gables, FL 33146
(305) 444-6524
David Pomerance, President
Private
Total Sales FYE 6/82: \$3,500,000 Est.
Computer Services Offered: • Software Products

#### Dynamic Data Processing Inc.

1923 Eastern Avenue
Silver Spring, MD 20910
(301) \$59-8550
Konneth L. Brooks, President
Private
Total Sales FYE 9/81: \$4,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkev Systems

#### Dynamic Microprocessor Associates, Inc

545 Fifth Ave New York, NY 10017 (212)687-7115 Computer Services Offered: • Software Products

## Dynamic Solutions, Inc. 50 Lytton Ave.

Hartsdale, NY 10530 (914) 949-6058 Joseph Melhado, President Private Computer Services Offered: • Software Products • Turnkey Systems

### Dynamics Associates

See: Chase Manhattan Bank, N.A.

### **Dynamics Research Corporation**

60 Concord St. Wilmington, MA 01887 (617)653-6100 John S. Anderegg Jr., President and Chairman Public Total Sales FYE 12/81: \$32,000,000 Cptr. Sves. Revs. FYE 12/81: \$18,000,000 Computer Services Offered: • Professional Services

### EBS Data Processing Inc.

5670 South Sycamore PO Box 5606 TA Denver, CO 80217 (303)773-1313 Ramon V. Jarrell, President Computer Services Offered: • Processing • Turnkey Systems

#### EDP Corporation of Indiana

Merged with Anacomp, Inc.

### EDP Corporation, The

Newton, MA 02164 (617)964-3890 Stephen Levine, President Private

Computer Services Offered: • Software Products

EDP Design Consultants, Inc. 100 Progress Pkwy, Ste 226 Maryland Heights, MO 63043 (314) 432-5797

Mark Feinstein, President

Private Computer Services Offered: • Software Products • Professional Services

#### EDP Management, Inc.

5465 Lake Murray Boulevard La Mesa, CA 92041 (714) 462-5400 Charles E. Cox, President

Private

Total Sales FYE 2/80: \$1,000,000 Est. Computer Services Offered: 

Software Products Professional Services

#### EDP of America, Inc.

Raritan Plaza I1 Edison, NJ 08817 (201) 225-1823 Ira Bakst, President

Total Sales FYE 3/80: \$325,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### EDP Services Company Inc.

2930 West Imperial Highway Suite 512 Inglewood, CA 90303 (213) 757-4101 Richard Shaw, Sr., President Computer Services Offered: • Processing

### EDP Systems

3376 S. Eastern Ave. Ste. 130 Las Vegas, NV 89109 (702)731-2080

### EEC Systems

286 Boston Post Rd Wayland, MA 01778 (617)358-7781 Eric S Dickman, President

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### EECO

1601 E. Chestnut Ave. Santa Ana, CA 92701 (714) 835-6000 Patrick F. Cadigan, President

Public Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

### EECO Computer Inc

1441 Chestnut, E Santa Ana, CA 92701 (714) 835-6000

Adolf Cosentino, President Computer Services Offered: • Turnkey Systems

#### **EECO Computer Inc** See: EECO

### EFT Data Services, Inc.

See: Control Data Corporation

#### ELS Systems Engineering See: PHUTZ\$ Inc.

### EMA, Inc

270 Metro Square Bldg St Paul, MN 55101 (612)298-1992 Alan W Manning, President

Private Total Sales FYE 12/81: \$2,500,000 Computer Services Offered: • Software Products •

Professional Services

### **EPS** Consultants

8700 Commerce Park Dr. Suite 112 Houston, TX 77036 (713) 771-0618 Robert J. Earle, President

Computer Services Offered: • Software Products • Professional Services

#### EPS Consultants Inc.

See: FPS Consultants Ltd.

### EPS Consultants Ltd.

SUBSIDIARIES:

#### EPS Consultants Inc.

8600 Bryn Mawr Ave, W. Chicago, IL 60631 (312)693-2470 Robert Earle, President Total Sales FYE 4/80: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services

### ERG Software, Inc.

101 Industrial Pl Lufkin, TX 75901 (713)639-3271

Computer Services Offered: • Software Products

#### ESE, Inc.

222 N. Dearborn St. Chicago, 1L 60601 (312) 431-6777

Computer Services Offered: . Processing

P.O. Box 5617 1801 Gadsen St., S. Tallahassee, FL 32301 (904)224-5182

David Murphy, President Products . Professional Services

Private Total Sales FYE 9/81: \$1,200,000 Est. Computer Services Offered: • Processing • Software

#### ESP Computer Services Inc.

724 South Spring Street Los Angeles, CA 90014 (213) 628-9216 Edward T. Kam, President

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Evaluation Planning Systems International, Inc (EPS)

1 Industrial Way Windham, NH 03087 (603)898-1800 Robert Earle, President Total Sales FYE 4/81: \$25,000,000 Computer Services Offered: • Software Products • Professional Services

## Eagle Computing Corporation See: First National Bank of Midland

#### East-West Center 1777 East West Dr. Honolulu, HI 96848

(808)944-7111 Lee-Jay Sho, President

#### Eastern Airlines, Inc. Miami International Airport Miami, FL 33148

Frank Borman, President Computer Services Offered: • Processing

#### Eaton-Kenway, Inc. 310 S. Main, Suite 1400

Salt Lake City, UT 84101 (801) 532-2555 Kenneth A. Richins, President

Computer Services Offered: • Turnkey Systems

#### **ECCO Consulting Incorporated**

607 Washington Road Pittsburgh, PA 15228 (412) 561-5509 Joseph Ott, President

Computer Services Offered: • Professional Services

#### ECOM Associates, Inc

8634 Brown Deer Rd, W Milwaukee, WI 53223 (414) 354-0243

Computer Services Offered: • Software Products

#### Econo Data, Inc. 1 East 4th St

Cincinnati, OH 45202 (513) 421-7071 John Durkin, President

Economic Information Systems Inc See: Control Data Corporation

#### Economic Sciences Corporation

2150 Shattuck Avenue Berkeley, CA 94704 (415) 841-6869 B.F. Roberts, PH.D., President Private Total Sales FYE 6/80: \$1,000,000 Est.

Cptr. Svcs. Revs. FYE 6/80: \$500,000 Est.

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### **Ecotran-CHI Corporation** Name changed to: CHI Corporation

#### Edelman Systems, Inc. 244 Peachtree Blvd. Suite 102 Baton Rouge, LA 70806 (504) 387-1441

Dr. Edelman, President

## EDU-Ware Services, Inc PO Box 22222

Agoura, CA 91301 (213)706-0661 Computer Services Offered: • Software Products • Professional Services

#### Educational Computer Center PO Box 1217

Lynchburg, VA 24505 (804) 845-0935 D.G. McCants. President

#### Educational Methods, Inc. See: Mid-American Investment

# Edwards, J.D. & Company 5290 DTC Parkway Englewood, CO 80111

(303) 773-3732

#### Effective Software Products See: Automated Business Systems Inc.

Ehrhart Babic Associates

#### SUBSIDIARIES:

### Ehrhart Babic Data Services

120 Route 9W Englewood Cliff, NJ 07632 (201) 947-4747 Robert Sargent, President

#### Ehrhart Babic Data Services See: Ehrhart Babic Associates

### Election Computer Services Inc.

575 Lexington Ave New York, NY 10022 (212) 840-7644 Don J. Martin, President Private

Cptr. Svcs. Revs. FYE 10/79: \$300,000 Est. Computer Services Offered: • Processing

#### Electro Scientific 13900 Science Park Dr. NW Portland, OR 18974

(503)641-4141 Computer Services Offered: • Professional Services

### Electro-Data Inc.

1741 Summer St. Hammond, IN 46320 (219) 932-6000

#### Electrocon International, Inc.

See: Harris Corporation

#### Electron Information Systems

5554 South Prince St. Littleton, CO 80120 (303) 794-8716 Tom Richards, President

Total Sales FYE 12/81: \$2,500,000 Computer Services Offered: • Processing • Professional Services

#### Electronic Banking Systems

1750 N Collins Ave Richardson, TX 75080 (214)235-2165 Tom Metz, President

Private Computer Services Offered: • Professional Services

#### Electronic Business Services

219 North Encina Street P.O. Box 368 Visalia, CA 93277 (209) 732-8601 J.C. Crawford, Vice President Private Computer Services Offered: • Processing

#### Electronic Calculus Inc.

468 Park Avenue South New York, NY 10016 (209) 732-8601 George Kastro, President

Total Sales FYE 3/80: \$210,000 Est. Computer Services Offered: . Software Products

#### Electronic Data Systems Corporation 7171 Forest Lane

Dallas, TX 75230 (214) 661-6000 Mort Meyerson, President Public Total Sales FYE 6/82: \$509,972,000

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

SUBSIDIARIES:

#### Centurion

1780 Jay Ell Dr. Richardson, TX 75081 (214) 699-8400

#### Cunadata Corporation

P.O. Box 378 Madison, WI 53701 (608) 231-5000 Carroll Smith, President

Computer Services Offered: • Processing • Turnkey

## Data Processing of the South Inc. 1043 E. Morchead Street

Charlotte, NC 28204 (704) 375-5100 A.S. Blakenship Jr., President Computer Services Offered: . Processing

#### Weiland Computer Group, Inc. 2311 W 22nd

Oakbrook, IL 60521 (312) 325-9300

#### Electronic Office Software

3819 West 9th Overland Park, KS 66206 (913) 381-7176 Computer Services Offered: . Software Products

#### Electronic Processors Ltd.

234 Goodwin Crest Birmingham, AL 35209 (205) 942-2323 Robert A. Altman, President Private

#### Electronic Systems Inc. 7645 Production Drive

Cincinnati, OH 45237 (513) 761-5610 A.L. Schneider, President

Private Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

# Electronic Tabulating Corporation 1100 Union Avenue P.O. Box 728 Newburgh, NY 12550 (914) 564-6000

Walter Rhulen, President Public Total Sales FYE 12/81: \$5,774,836 Cptr. Svcs. Revs. FYE 12/81: \$5,601,591 Computer Services Offered: • Processing • Turnkey Systems

Electronic Tabulating Service Inc.

300 Ivy Street NE Atlanta, GA 30301 (404) 688-8411 Dick Kreinest, President

Computer Services Offered: • Processing

Elke Corporation 998 Zane Avenue North Golden Valley, MN 55422 (612) 546-1779 Robert Nelson, President Private

Total Sales FYE 7/81: \$500,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Elshout & Associates

P.O. Box 2650 Pasadena, CA 91105 (213) 796-0642

#### Embassy Institute, The

901 Washington St. Wilmington, DE 19801 (302) 654-6688 John J. Murdock, Director Total Sales FYE 7/81: \$600,000 Est. Computer Services Offered: • Software Products

#### Empire Cybernetic Associates

58-75 Queens Midtown Expwy Maspeth, NY 11378 (212) 682-5460 Robert Schoolsky, General Director

Computer Services Offered: • Processing Employee Communication Services Inc.

757 Third Ave New York, NY 10017 (212)758-6966 Edward T. McCaffrey, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Encomp Systems, Limited

50 Union Avenue Irvington, NJ 07111 (201) 399-9000 Robert F. Melworm, PH.D., President Computer Services Offered: • Software Products • Professional Services

#### **Energy Analysts Inc**

1555 West Mockingbird Lane Dallas, TX 75235 (214)634-9233 Melvan Carter, President Computer Services Offered: • Processing

#### Energy Enterprises of Denver, Inc. See: General Electric Company

#### Energy Management Associates See: Planning Decisions Group Inc.

### Energy-Tek Software

64 South St Albany, NY 13152 (315) 685-8313

Computer Services Offered: • Software Products

#### Enertec Inc. 19 Jenkins Avenue

Lansdale, PA 19446 (215) 362-0966 Richard C Whiffen, President Private Total Sales FYE 9/81: \$600,000 Computer Services Offered: • Processing • Software

#### Engineered Products Computer Systems

Group P.O. Box 6767 Greenville, SC 29606 (803) 962-7951

# Engineering Interface Ltd. 2 Shepard Ave. East Suite 200 Willowdale, ON

(416) 226-6565 R.T. Temblin, President Private Computer Services Offered: • Processing • Software

Engineering Software Systems 2813 Akino Court San Jose, CA 95122 (408) 274-2627 Jerry Perko, Proprietor Private Computer Services Offered: • Software Products • Professional Services

### Engineering Systems Corporation 1801 Staring Lane Suite 103 Baton Rouge, LA 70808 (504) 769-2226

Michael D. Clotiaux, President Private Total Sales FYE 6/81: \$500,000 Est. Computer Services Offered: • Software Products • Turnkey

# Engineering Systems Research Co. (ESR) P.O. Box 104, Route 1 Toivola, MI 49965

(906) 288-3456 Ted Johnson, President Private Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Enterprise Computer Systems

Jacksonville, FL 32207 (904) 399-3899 Bruce Franklin, President Private Total Sales FYE 12/81: \$875,000 Est.

Computer Services Offered: 
Software Products

### Enterprise Technology Corp.

815 South Main St

305 Madison Ave. New York, NY 10165 (212) 972-1860 Kevin Merz, President Private Total Sales FYE 6/80: \$200,000 Est. Computer Services Offered: • Software Products •

Professional Services

### Directory of Computer Services Companies

#### Environmental Systems Research Institute

380 New York Street Redlands, CA 92373 (714) 793-2853

#### Epic Computer Products Inc

\* 1838 Bandiller Circle Fountain Valley, CA 92708 (714)963-7898 Computer Services Offered: • Software Products • Turnkey Systems

#### Ensilon Data Management, Inc.

24 New England Executive Park Burlington, MA 01803 (617) 273-0250 Harold M. Brierley, President

Computer Services Offered: • Processing

#### Equifax Inc. 1600 Peachtree St NW PO Box 4087

Atlanta, GA 30302 (404)885-8000 W Lee Burge, Chairman Public Total Sales FYE 12/81: \$409,092,000 Cptr. Sves. Revs. FYE 12/81: \$130,582,000 Computer Services Offered: • Processing • Turnkey

#### SUBSIDIARIES:

#### Credit Bureau Inc. of Georgia

PO Box 4091 Atlanta, GA 30302 (404) 885-8000 Computer Services Offered: • Processing

#### Equifax Services Inc.

1600 Peach Tree St. NW Atlanta, GA 30309 (404) 885-8000 Ralph N. Jones, President Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Data Financial Systems

2550 Huntington Ave. Room 105 Alexandria, VA 22303 (703) 960-4400 Fred Trust, President

#### Equifax Services Inc.

See: Equifax Inc.

### Equitable Trust Bank

320 Main St. Laurel, MD 20810 (301)547-4000 Computer Services Offered: • Processing

#### ERCO

See: Anacomp, Inc.

#### Erisco Inc.

See: Thomas National Group, Inc., The

#### Ernst & Whinney

1300 Union Commerce Bldg. Cleveland, OH 44115 (216)861-5000

Private
Cptr. Svcs. Revs. FYE 9/81: \$26,000,000 Est.
Computer Services Offered: • Software Products •
Professional Services

### Escom, Inc.

•

#### **Essential Software**

6210 Federal At Agoura, CA 91301 (213) 991-8100

Computer Services Offered: • Software Products

#### Evans & Sutherland 580 Arapeen Dr PO Box 8700

Salt Lake City, UT 84108 David C Evans, President Public Total Sales FYE 12/81: \$46,438,587 Cptr. Sves. Revs. FYE 12/81: \$3,000,000 Computer Services Offered: • Software Products

## Evans, Griffiths & Hart, Inc. 55 Waltham St.

Lexington, MA 02173
(617) 861-0670
Thomas G. Evans, Ph.D., President
Private
Computer Services Offered:

Software Products •
Professional Services

### Evansville Data Processing Corporation

Evansville, IN 47714 (812) 479-6951 Nathan Lieberman, President Private Total Sales FYE 12/80: \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Evergreen Geophysical Associates Inc

Evergreen, CO 80439 (303)674-6677 A E Dufford, President Computer Services Offered: • Processing

#### Exact Systems & Programming

# Corporation I Labriola Ct Armonck, NY 10504

Armonck, NY 10504 (914)273-8100 Hank Oswald, President

#### Exchange National Bank

#### SUBSIDIARIES:

#### Exchange Service Management Corporation

Lasalle at Monroe & Adams Chicago, IL 60603 (312)781-8079

Charles S. Bishop Jr, President Computer Services Offered: • Professional Services

#### Exchange Service Management

Corporation See: Exchange National Bank

#### Execucom Systems Corporation 3401 Far West Boulevard

Austin, TX 78731 (512)346-4980 Richard Hodge, President

Total Sales FYE 12/81: \$12,600,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Executax, Inc.

700 W. Esplanade Ave Kenner, LA 70062 (504)469-4516

Computer Services Offered: • Processing

#### **Executec Corporation**

12200 Park Central Dr Ste 470 Dallas, TX 75251 (214)239-8080 Ken Parker, President Computer Services Offered: • Software Products

#### Executive Compumetrics

14810 S. Cicero Ave. Oak Forest, IL 60452 (312) 687-1150 Stephen Gierach, President Private Total Sales FYE 12/81: \$500,000 Est. Computer Services Offered: . Software Products .

Professional Services

#### Executive Systems, Inc. See: American Management Systems

#### Executive Technology Data Systems (ETDS)

28104 Orchard Lake Rd, Ste 108 Farmington Hills, MI 48018 (313)626-0770 William M. Marker, President Private

Total Sales FYE 9/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

## Exploration Processing Corp International Trade Center 2525 Murworth, Ste 122

Houston, TX 77054 (713)661-4901 F.B Calhoon, President Computer Services Offered: • Processing

#### Explorer Seismic Services

10067 Timberoak Houston, TX 77080 (713)464-5423 Rafael Cruz, President Computer Services Offered: • Processing

#### Express Software

125 Jericho Turnpike Jericho, NY 11753 (516)333-6733 Computer Services Offered: . Processing

#### F.A.C.S.

26600 Telegraph Rd,Ste 204 South Field, MI 48034 (313)358-5455 Douglas Christensen, President Computer Services Offered: • Processing • Professional Services

#### FBM Systems Inc.

1920 McKinney Ave Dallas, TX 75201 (214)741-6785 Computer Services Offered: . Processing . Software

#### FMG Corporation

See: Applied Data Corporation

### FS Service Inc.

1701 Towanda Avenue Bloomington, IL 61701 (309) 828-0021 Melvin Sims, President Private

#### FTD Florists

SUBSIDIARIES:

#### Floral Network, Inc.

165 North Canal St. Chicago, IL 60606 (312) 930-2000 Bob Poirier, Manager

Computer Services Offered: • Processing • Professional Services

## FTW Associates, Inc. 120 Wall St.

New York, NY 10005 (212)344-4097

Computer Services Offered: • Software Products

Facilities Management Services 601 N. Magnolia Ave. P.O. Box 8277 Orlando, FL 32856

(305) 422-5880 Computer Services Offered: . Software Products

#### Factory Systems

See: Rolfe Associates Inc.

### Directory of Computer Services Companies

#### Fair, Isaac Companies

55 Mitchell Blvd San Raphael, CA 94903 (415) 472-2211

William R. Fair, President Private

Total Sales FYE 9/82: \$9,000,000 Est.

Computer Services Offered: • Professional Services

#### Fairfield Data Processing

See: Fairfield Industries, Inc.

### Fairfield Industries, Inc

DIVISIONS:

#### Fairfield Data Processing

PO Box 42154
Houston, TX 77042
(713)981-8181
John G Wearing, Manager
Computer Services Offered: • Processing

#### Fannin Bank

P.O. Box 20008 Houston, TX 77025 (713) 790-1000 Ernest Deal, President

Computer Services Offered: • Processing

## Far-West Data Systems, Inc. Merged into Data Law Company

#### FAST-TAX

See Computer Language Research

### Federal Data Corp

4601 North Park Ave Chevy Chase, MD 20815 (301)986-0800 Bob Hanley, President

Private

Computer Services Offered: 

Professional Services 

Turnkey Systems

#### Federal Electric Corporation

See: 1TT

#### Federal Equity Evaluation

1775 Broadway New York, NY 10019 (212) 246-3885 Ronald Kane, President

Computer Services Offered: • Processing

#### Fein-Marquart Associates Inc.

7215 York Road Baltimore, MD 21212 (301) 821-5980

Alvin E. Fein, PH.D., President

Computer Services Offered: • Professional Services

#### Ferox Microsystems, Inc.

1701 North Ft. Meyer Dr. Suite 611 Arlington, VA 22209 (703)841-0800 Russel C. Luhring, President

Private
Total Sales FYE 7/82: \$500,000
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

## Fidelity Union Bancorporation

765 Broad Street
Newark, NJ 07101
(201) 430-4000
Peter Cartmell, President

Cptr. Svcs. Revs. FYE 12/79: \$4,000,000 Est.

Computer Services Offered: • Processing

#### Fidler Bateman

4232 N Brandywine Dr Peoria, IL 61614 (309)691-4333 Cliff Bateman, President Private

Total Sales FYE 7/81: \$2,000,000 Est.

Computer Services Offered: • Processing • Turnkey Systems

### Fiduciary Processing, Inc.

200 East 66th Street New York, NY 10021 (212) 535-3564 Howard F. Beir, President Private

Computer Services Offered: • Processing

## Fields Financial Services Inc

#### Figgie International

SUBSIDIARIES:

## Figgie Systems Management Group

Willoughby, OH 44094 (216)946-9000 Walter J Hayes, President Total Sales FVE 12/81: \$4,000,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Figgie Systems Management Group

#### Filchris Corporation

SUBSIDIARIES:

#### SPAN Management Systems

Westminister Industrial Park I Catamore Blvd.
East Providence, RI 02914
(401) 438-ITS Jens 115
David Allen, President
Total Sales FYE 5/80; \$8,000,000
Computer Services Offered: • Processing • Software
Products • Professional Services

## Financial Accounting Services, Inc. 3637 N. Meridian

Indianapolis, IN 46208 (317) 923-6512 Philip Bryant, President

Private
Computer Services Offered: 
Pro

Computer Services Offered: • Processing • Turnkey Systems

#### Financial Data Systems, Inc.

See: Citicorp

Products

#### Financial Decisions Systems, Inc.

2835 Dorothy Dr Agoura, CA 91301 (213)706-2000 Warren Richard, President

Private
Total Sales FYE 3/82: \$2,000,000
Computer Services Offered: • Processing • Software

### Financial Industry Consultants Inc.

244 Goodwin Crest Dr. Suite 218 Birmingham, AL 35209 (205) 942-6707 C.W. Russell. President

Private

Computer Services Offered: 

Software Products

#### Financial Interstate Services

617 Main Ave PO Box 15003 Knoxville, TN 37901 (615)637-2035 Tom Sudman, President Private

Computer Services Offered: • Processing

#### Financial Management Associate

690 Saratoga Ave. San Jose, CA 95129 (408) 377-0324 Bill Ogden, Vice President Computer Services Offered: • Software Products

#### Financial Network Architects, Inc.

11030 Roselle St,Ste D San Diego, CA 92121 (714) 455-7086 Robert F. Finley, President

Private
Computer Services Offered: 

Software Products 
Turnkey
Systems

#### Financial Services, Inc.

175 Rock Road Glen Rock, NJ 07452 (201) 652-6000 John Schunke, President Private Total Sales FYE 6/82: \$8,000,000 Computer Services Offered: ◆ Processing

#### Financial Software of America

1016 North Orlando Ave Winter Park, FL 32789 (305) 645-5724 John T. Smith, President Private Total Sales FYE 7/81: \$2,000,000 Est. Computer Services Offered: • Software Products

### Financial Software, Inc

Chardon, OH

#### Financial Statistics, Inc.

500 South Ervay Suite 452B Dallas, TX 75201 (214) 742-5569 William McFarlin, President

Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Financial Systems Consultants See: Indiana Bank

#### Financial Technology Inc.

612 North Michigan Avenue
Chicago, IL 6061
(312) 280-0600
Jerome E. Franckowiek, President
Private
Computer Services Offered: • Processing • Software

#### Finar Systems Limited

303 South Rice Ave,Ste 208 Suite 212
Houston, TX 77056
(713)960-1309
Steven Cook, President
Total Sales FYE 12/81: \$850,000
Commuter Services Offered: • Software Products

#### Finpac Corporation

Windsor & Forrest Avenues Narberth, PA 19072 (215) 667-6100 J. Raezer, President Private

#### Finserv Computer Corporation 1462 Eric Blvd.

Schenceady, NY 12305
(518) 374-4430
Creighton Brittell, President
Private
Total Sales FYE 12/81: \$5,700,000
Cptr. Sves. Rvs. FYE 12/81: \$3,3700,000
Computer Services Offered: • Processing • Software
Products

#### Fireman's Fund Insurance Co.

See: American Express Company

#### First Bank & Trust Company

5300 Crawfordsville Road Indianapolis, IN 46224 (317) 241-2361

### Directory of Computer Services Companies

#### SUBSIDIARIES:

#### First Computer Corporation

332 Minnesota St St. Paul, MN 55101 (612) 291-5877 Alan Buffington, President Total Sales FYE 12/81: \$19,570,000 Computer Services Offered: • Processing

#### First Bank System

First Chicago Data Corporation See: First National Bank of Chicago

First City Banc Corp. of Texas

#### SUBSIDIARIES:

First City Services Company 1111 Fannin St. P.O. Box 2557 Houston, TX 77001 (713) 658-6703 Hugh Barrett, President Computer Services Offered: . Processing

## First City Services Company See: First City Banc Corp. of Texas

### First Computer Corp.

825 N. Cass Ave. Westmont, IL 60559 (312) 920-1050 Jerome A. Martin, President Private

Total Sales FYE 12/79: \$5,000,000

Cptr. Svcs. Revs. FYE 12/79: \$1,500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### First Computer Corporation See: First Bank System

#### First Computer Services, Inc. See: First Union Corporation

First Data Corporation See: Automatic Data Processing Inc.

First Data Management Company See: First Oklahoma Bancorporation, Inc.

First Data Resources, Inc. See: American Express Company

First National Bank in Little Rock Capitol at Broadwa Little Rock, AR 72201 (501) 371-7311

First National Bank of Louisville P.O. Box 36000

Louisville, KY 40232 (502) 581-5386

### First National Bank of Anchorage, The

P.O. Box 720 Anchorage, AK 99510 (907) 276-6300 Daniel Cuddy, President Computer Services Offered: • Processing • Software Products

#### First National Bank of Boston and Uniroval, Inc.

#### SUBSIDIARIES:

First of Boston Computeristics, Inc.

100 Federal St. Boston, MA 02110 (617) 434-6357 Philip E. Jennings, President

#### First National Bank of Chicago

#### SUBSIDIARIES:

First Chicago Data Corporation 443 Wabash Ave, N Chicago, IL 60611 (312)923-7200

#### First National Bank of Midland

#### SUBSIDIARIES:

## Eagle Computing Corporation 600 N Marienfield, 9th Fl

Midland, TX 79701 (915)563-0283 Ray Kendall, President Private Total Sales FYE 12/81: \$3,400,000

Computer Services Offered: • Processing

#### First National Corporation of Appleton 200 West College Ave PO Box 1859 Appleton, WS 54913 (414)735-1300 William D Wolter, President Cptr. Svcs. Revs. FYE 12/81: \$1,000,000 Est.

Computer Services Offered: . Processing First of Boston Computeristics, Inc. See: First National Bank of Boston and Uniroyal, Inc.

### First Oklahoma Bancorporation, Inc.

#### SUBSIDIARIES:

### Service Card System

PO Box 25189 Oklahoma City, OK 73125 (405)272-4911 Gary Bunch, President Total Sales FYE 12/81: \$800,000 Est. Computer Services Offered: • Professional Services

#### DIVISIONS

First Data Management Company PO Box 25189

Oklahoma City, OK 73125 (405)272-4000

Computer Services Offered: • Processing

#### First Pennsylvania Bank

#### SUBSIDIARIES:

Computech Financial Systems, Inc. 1819 Peachtree Road

Atlanta, GA 30309 (404) 351-3231

Sandra Perkowitz, President Computer Services Offered: • Processing • Software Products

#### First Security Bank of Beaumont

#### SUBSIDIARIES:

First Security Financial Systems, Inc. P.O. Box 339

Beaumont, TX 33304 (713) 838-9406 Frank Smeal, President

First Security Financial Systems, Inc. See: First Security Bank of Beaumont

First Systems Corp 865 Manhattan Beach Blvd, Manhattan Beach, CA 90266 (213)546-5581 Computer Services Offered: • Software Products

First Union Corporation

First Union Plaza Charlotte, NC 28288 (704)374-6565

#### SUBSIDIARIES:

First Computer Services, Inc

1st Union Tower Charlotte, NC 28288 (704) 374-6614 Willis R. Rhodes, President Computer Services Offered: • Processing

First Washington Corp

1701 N Ft Meyer Dr Arlington, VA 22209 (703)527-4440 William Ellett, President

Private Total Sales FYE 7/81: \$10,000,000 Est. Cptr. Svcs. Revs. FYE 7/81: \$1,000,000 Est. Computer Services Offered: . Processing

First Wisconsin Corp.

#### SUBSIDIARIES:

First Wisconsin National Bank of Milwaukee

777 East Wisconsin Avenue Milwaukee, WI 53202 (414) 765-4629 Jack Hendee, President Computer Services Offered: • Processing

First Wisconsin National Bank of

Milwaukee See: First Wisconsin Corp.

#### Fischer & Porter County Line RD. Warminster, PA 18974

(215)674-6000 Computer Services Offered: • Professional Services

Fishbach, McCoach & Associates Inc.

30 East 42nd Street, #808 New York, NY 10017 (212) 682-5696 Joseph W. Fishbach, President

Fisher-Stevens Inc.

120 Brighton Rd. Clifton, NJ 07012 (201) 471-4000 Private

Fits System Inc.
1 Red Oak Lane
White Plains, NY 10604
(914) 694-1554 Brian J. Fitzpatrick, President Private Computer Services Offered: • Professional Services

#### Flagship Banks Inc.

#### SUBSIDIARIES:

Flagship Services Corporation

Tampa, FL 33623 (813)885-9111 Forrest Waddle, President

Flagship Services Corporation See: Flagship Banks Inc.

Fleet Financial Group Corporation

#### SUBSIDIARIES:

Information Sciences, Inc. P.O. Box 1329 Annex Station 125 Dupont Dr.

Providence, R1 02907 (401) 278-5900 Martin Stein, President
Total Sales FYE 12/81: \$2,940,000
Computer Services Offered: • Processing

Floral Network, Inc.

### Directory of Computer Services Companies

#### Flores Associates

108 8th Avenue Brooklyn, NY 11215 (212) 789-1312

Ivan Flores, President Computer Services Offered: • Professional Services

#### Florida Associated Services

See: American Heritage Life Insurance

Florida Computer Inc. 99 NW 183rd Street Suite 230 North Miami, FL 33169 (305) 652-1710

John H. Wright, President

Private Total Sales FYE 12/80; \$2,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Florida Software Services See: Kirchman Corporation

#### Foothill Associates 1730 N. Euclid

Upland, CA 91786 (714) 982-0666 Computer Services Offered: . Software Products

#### Ford & Associates, Inc.

133 Center St PO Box 402 Grayslake, IL 60030 (312)223-2291

Kenneth G. Ford, President Private Total Sales FYE 11/82: \$250,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

#### Foremost McKesson

SUBSIDIARIES:

#### Pharmaceutical Card Systems, Inc.

2005 N. Central Avenue Phoenix, AZ 85004 (602)257-1500 Total Sales FYE 3/81: \$13,300,000

Computer Services Offered: • Processing

Foresight, Inc. 2741 North 29th Ave. Suite 212 Hollywood, FL 33020 (305) 920-9604 William Bennett, President

Total Sales FYE 3/81: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

## Forest Computer Inc 238 West Saginaw, Suite 204

East Lansing, MI 48823 (517)332-7777 Computer Services Offered: • Software Products

#### Forest Lawn Company

SUBSIDIARIES:

Metropolitan Computer Center 1600 S. Glendale Avenue P. O. Box 1500 Glendale, CA 91209 (213) 258-2711 Philip Freeman, Manager Total Sales FYE 12/80: \$2,500,000 Est. Computer Services Offered: • Processing

#### Foretax

1901 Avenue of the Stars Los Angeles, CA 90067 (213)277-2722 Computer Services Offered: . Processing

#### Formation Inc.

823 East Gate Drive Mt. Laurel, NJ 08057 (609) 234-5020

#### Formula Consultants, Inc.

P.O. Box 544 Anaheim, CA 92805 (714) 778-1738 Joe Dale, President Private Total Sales FYE 3/80: \$400,000 Computer Services Offered: . Software Products . Professional Services

#### Fortex Data Corporation

Acquired/merged with Wyly Corporation

#### FORTH, Inc.

See: Technology Industries

Four-Way Systems 380 S. Schmale St. Carol Stream, IL 60187 (312)690-6300 Raymond Dalton, President Private Total Sales FYE 7/80: \$1,000,000 Est. Computer Services Offered: • Processing

#### Fox & Geller Associates 260 Winthrop Rd

Teaneck, NJ 07666 (201)837-0142 Computer Services Offered: • Software Products

Frankel Engineering Laboratories, Inc. 125 S. Fifth Street Reading, PA 19603 (215) 373-5205 Samuel Frankel, President Private Total Sales FYE 5/80: \$400,000 Computer Services Offered: • Processing • Professional

### Franklin Institute Research Laboratories,

The 20th & Race St. Philadelphia, PA 19103 (215) 448-1556

#### Frey Associates, Inc.

SUBSIDIARIES:

Frey Federal Systems Corporation 8115 Old Dominion Dr. McLean, VA 22102

(703)821-8920 Eric D. Frey, President

Computer Services Offered: • Professional Services

Frey Federal Systems Corporation See: Frey Associates, Inc.

Frey, Donald R & Co 880 Alexandria Pike Fort Thomas, KY 41075

(606) 441-6566 Donald Frey, President Computer Services Offered: • Software Products • Professional Services

Freyburg Systems Associates Inc. 20 Exchange Place New York, NY 10005 (212)425-0650 Richard Thurber, President Total Sales FYE 12/80; \$3,000,000 Computer Services Offered: • Software Products • Professional Services

Friends Software

Tioga Building,Ste 440 PO Box 527 Berkeley, CA 94701 (415)540-7282 Computer Services Offered: • Software Products

Friesen International, Inc. See: American Medical International Inc.

Frontier Management Systems 214 Harvard Ave

Allston, MA 02134 (617) 734-2070 Edward Katzenberg, President
Computer Services Offered: • Software Products

Frost National Bank See: Cullen-Frost Bank Inc.

Fulcrum Computer Group See: Adage, Inc.

Fulton Data Systems See: Fulton National Bank

Fulton National Bank

DIVISIONS:

Fulton Data Systems

55 Marietta Street Atlanta, GA 30302 (404) 529-4111 Gordon Jones, President

Funeral Home Management Systems, Inc See: American Express Company

Fusion Products

317 Miller Ave Mill Valley, CA 94941 (415)381-1340 Total Sales FYE 7/82: \$500,000 Est. Computer Services Offered: • Software Products

GL Corporation

SUBSIDIARIES:

TransUnion Corporation

39 LaSalle Chicago, IL 60603 (312)372-9500 Total Sales FYE 12/81: \$66,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

SUBSIDIARIES:

New Century Freight Traffic Association

111 N. Canal St Chicago, IL 60606 (312)236-8436 Computer Services Offered: • Processing

TransUnion Credit Information 444 N. Michigan Ave.

Chicago, IL 60611 (312) 645-6000 Computer Services Offered: • Processing

World Computer Corporation 30400 Telegraph Rd.

Birmingham, MI 48010 (313) 645-0120 Computer Services Offered: . Turnkey Systems

**GMA Software** 

2946 North Merrimac Avenue Chicago, IL 60634 (312) 889-3050 George Milam, President Private

Computer Services Offered: • Software Products • Professional Services

GMD Systems International Inc.

6195 Barfield Rd,Ste 140 Atlanta, GA 30328 (404)252-0482

Computer Services Offered: • Software Products

GMS Systems, Inc.

3475 Brainerd Road Chattanooga, TN 37411 (615) 629-2591 Sam H. Smith, Jr., President

Computer Services Offered: • Software Products

#### GMS Systems, Inc.

12 West 37th St New York, NY 10018 (212)947-3590 Ralph Watson, President

Private Total Sales FYE 10/82: \$1,500,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

GSG Inc. See: Government Systems Group

GSI-USA Inc.

SUBSIDIARIES:

Transcomm Data Systems, Inc.

1384 Old Freeport Rd. Pittsburgh, PA 15238 (412) 963-6770 Alex Burstein, President
Total Sales FYE 12/81: \$7,000,000

Computer Services Offered: • Software Products • Turnkey Systems

GTE Telenet Communications Corporation See: General Telephone & Electronics

GTE Telenet Information Services, Inc. See: General Telephone & Electronics

**GWP** Corporation 336 Baker Ave Concord, MA 01742 (6117) 369-1807 Computer Services Offered: • Turnkey Systems

Gains Systems Group 2021 Spring Road Oak Brook, 1L 60521

(312) 325-9390 Computer Services Offered: • Software Products

Galler Associates Inc. (GAI)
1401 Wilson Blvd, 8th Fl.
Arlington, VA 22209
(703) 525-9292 Jerry Galler, President Private Total Sales FYE 12/81: \$2,200,000 Computer Services Offered: • Software Products • Professional Services

Gamble Skogmo

SUBSIDIARIES:

**Gambles Datamation** 

2709 No. Ontario St. Burbank, CA 91504 (213) 843-6411 Russell Garside, General Manager Private Total Sales FYE 1/80: \$1,500,000 Est. Computer Services Offered: • Processing

Gambles Datamation See: Gamble Skogmo

Gamma Systems Services 1027 5th Ave North

St Petersburg, FL 33705 (813)822-6600 Fred W Green, Principal

Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Processing • Software Products . Professional Services

Private

Gamma Technology 2452 Embarcadero Way Palo Alto, CA 94303 (415) 856-7421 Hank S. Magnuski, President

Private Computer Services Offered: • Software Products • Turnkey Systems

Gancom Inc.

See: Gannett, Fleming, Corddry, & Carpenter

Gannett, Fleming, Corddry, & Carpenter

SUBSIDIARIES:

Gancom Inc. P.O. Box 1459 Harrisburg, PA 17105

(717) 763-7226 J. Douglass Berry, President Private

Total Sales FYE 12/81: \$4,400,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Garies Engineering Petroleum Consultants,

SUBSIDIARIES:

Petroleum Software, Inc.

211 North Ervay Building Dallas, TX 75201 (214) 744-0975 Don Garies, President Total Sales FYE 3/82: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Garrett Computing Systems Inc.
1111 Republic Bank Tower

Dallas, TX 75201 (214) 741-1026 John E. Garrett, President Private

Total Sales FYE 6/81: \$1,250,000 Est. Computer Services Offered: • Software Products

Gaylord Bros., Inc. Library Systems Division

7272 Morgon Rd. Liverpool, NY 13088 (315) 457-5070 Marion Stafford, President

Private Computer Services Offered: • Processing

### Geac Canada Limited

350 Steelcase Rd. West Markham, ON L3R1B (416) 495-0525

### GEJAC Incorporated P. O. Box 188

Riverdale, MD 20737 (301) 864-3700 Gregg E. Church, President Private Total Sales FYE 9/81: \$1,000,000 Est. Computer Services Offered: • Processing • Software

# Products • Professional Services Gellman. Hayward & Partners

27 Queen St. E. Toronto, ON M5C2M (416) 862-0430 Harvey Gellman, President Private

Computer Services Offered: • Professional Services

#### Gemini Business Systems 5797 Chesapeake Ct, Ste A

San Diego, CA 92123 (714) 292-8101 J.C. Shelton, President Private Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Turnkey Systems

# GENASYS Corporation 11300 Rockville Pike One Central Plaza Bldg

Rockville, MD 20852 (301) 770-4600 John Puhala, President Private Total Sales FYE 6/82: \$7,600,000 Computer Services Offered: • Professional Services

SUBSIDIARIES:

Gentech, Inc.

11300 Rockville Pike
Rockville, MD 20852
(301)770-4600
John Puhala, President
Computer Services Offered: • Professional Services

#### Genasys International 17 East 45Th St

New York, NY 10016 (212)532-8555 Gary Guttman, President Computer Services Offered: • Software Products

#### Genelco, Inc.

See: General American Life Insurance Corporation

### General American Life Insurance Corporation

### SUBSIDIARIES:

Consultec

6065 Roswell Road Atlanta, GA 30328 (404) 252-2883 Gray Arnold, President Total Sales FVE 12/81: 52,500,000 Est. Computer Services Offered: \* Processing \* Professional Services \* Ottmack Systems

### Genelco, Inc.

St Louis, MO 63110
(314) 644-3200
David B Johnson, President
David B Johnson, President
Total Sales FYE 12/81: \$2,900,000
Cptr. Svcs. Revs. FYE 12/81: \$578,000
Computer Services Offered: • Processing • Software
Products • Professional Services

### General Automation, Inc.

1055 South East Street Anaheim, CA 92805 (714) 778-4800 Leornard Mac Kenzie, President Public

### General Computer Corporation

P.O. Box 4527 San Juan, PR 00936 (809) 751-4343 Guillermo C. Martinez, President Private

Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### General Computer Corporation See: Revco Drug

General Computer Management Corporation

7979 Old Georgetown Road Bethesda, MD 20014 (301) 656-7300 Jack Maslin, President Private

Computer Services Offered: • Processing • Professional Services

# General Computer Services, Inc. Acquired and merged with Dyatron Corporation

General Construction Data Systems, Inc

### General Contractor Data Service

Dallas, TX 75243

(214)783-0050
Roy Wilson, President
Private
Total Sales FYE 12/81: \$700,000
Computer Services Offered: • Processing • Professional
Services • Turnker System

### Directory of Computer Services Companies

#### SURSIDIARIES

### General Construction Data Systems,Inc

PO Box 222200 Dallas, TX 75222 (214)783-0050 Tom Cofer, President

Computer Services Offered: • Turnkey Systems

# General Data Consultants (GDC) 606 S. Mendenhall

Memphis, TN 38117 (901) 761-4740 James Whipple, President

#### General Data Systems, Ltd. 1520 Locust Street Philadelphia, PA 19102

(215) 985-1780 L. Mirabella, President

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### General Devices Inc.

#### SUBSIDIARIES:

### World Wide Computer Services

7 Doig Rd Wayne, NJ 07470 (201)694-8876 John Davis, President Total Sales FYE 12/81: \$6,000,000

Computer Services Offered: • Professional Services General Electric CAE International, Inc. See: General Electric Company & Structural Dynamics Research

### General Electric Company

P.O. Box 43 Schenectady, NY 12301 (518) 385-3801 Reginald H. Jones, Chairman & CEO

#### SUBSIDIARIES:

### Calma Company

527 Lakeside Dr. Sunnyvale, CA 94086 (408) 245-7522 Total Sales FYE 12/81: \$75,000,000 Est. Computer Services Offered: • Turnkey Systems

### General Electric Information Services

401 North Washington Street

### Company

Rockville, MD 20850 (301) 340-4000 Gregory J. Liemandt, President Cptr. Svcs. Revs. FYE 12/81: \$473,200,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

Banking Systems Inc. 4550 Beltway Dr, W Suite 1212 Dallas, TX 75234 (214)386-0965 Jack Filder, President

### LTI Consulting Services Inc.

405 Lexington Avenue New York, NY 10174 (212) 599-5600 George Langnas, President Computer Services Offered: • Professional Services

### Network Consultants, Inc.

101 N Wacker Dr.4Th Fl Chicago, IL 60606 (312)372-5005 Jack Leiss, President Private

Cptr. Svcs. Revs. FYE 10/80: \$4,000,000 Est. Computer Services Offered: . Software Products

### Software International Corp. 2 Elm Square

Andover, MA 01810 (617) 475-5040 William G. Watson, President Computer Services Offered: • Software Products

#### DIVISIONS:

Energy Enterprises of Denver, Inc. 1580 Lincoln St. Suite 1000 Denver, CO 80203 (303)832-7111 James Gernert, General Manager Computer Services Offered: • Processing

### Mitrol, Inc.

One New England Executive Park Burlington, MA 01803 (617) 273-4111 Harold Adler, President

### General Electric Company & Structural **Dynamics Research**

### SUBSIDIARIES:

#### General Electric CAE International, Inc. 300 TechneCenter Dr

Milford, OH 45150 (513)576-3800 Joe R. Frazier, President Total Sales FYE 12/82: \$13,500,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

### General Electric Information Services Company

See: General Electric Company

### General Health Corp. 1046 Potomac St. NW

Washington, DC 20007 (202) 965-4881 James Bernstein, M.D., President

Private Total Sales FYE 10/80: \$800,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### General Physics Corporation

1000 Century Plaza Columbia, MD 21044 (301)982-1240 Computer Services Offered: • Software Products • Professional Services

### DIVISIONS:

### Management Systems Consulting Services

1000 Century Plaza Columbia, MD 21044 (301)730-4055 Computer Services Offered: • Professional Services • Turnkey Systems

### General System Sciences

651 Little Wekiva Rd Altamonte Springs, FL 32701 (305) 869-6457 Computer Services Offered: • Software Products

### General Systems Inc. 1101 Noble Forest Dr.

Norcross, GA 30092 (404) 449-8617

### General Telephone & Electronics

SUBSIDIARIES:

### GTE Telenet Communications Corporation

8229 Boone Boulevard Vienna, VA 22180 (703) 442-1000 J. David Hann, President Computer Services Offered: • Processing

### SUBSIDIARIES:

### GTE Telenet Information Services, Inc.

East Park Drive 100 Wall St. Mount Laurel, NJ 08054 (609) 235-7300 Robert Holligan, Vice President & General Mgr. Total Sales FYE 12/81: \$35,000,000 Computer Services Offered: • Processing

### Generated Systems, Inc.

209 N. Hale Wheaton, IL 60187 (312)668-0506 Computer Services Offered: • Software Products

### Generation Sciences International

See: Computer Systems Design Inc.

### Generic Systems Inc.

2123 Mango Place Jacksonville, FL 32207 (904) 396-7233 J. Osborn, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Genesee Computer Center, Inc.

20 University Avenue Rochester, NY 14605 (716) 232-7050 David C. Pixley, President Public Total Sales FYE 5/81: \$1,431,069 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

# Genesistems, Inc

Rochester, NY 14618 (716) 473-8260

Computer Services Offered: • Software Products

### Genesys International

See: Computer Systems Design Inc.

#### Genesys Software Systems, Inc. 10 Grafton St

Lawrence, MA 01843 (617)685-5400 Larry Munine, President Total Sales FYE 6/82: \$4,000,000 Computer Services Offered: . Software Products

### Genetron, Inc. 1515 West 22nd St.Ste 1000 Oakbrook, IL 60521 (312)325-5400 J.M. Heffern, President Private

Genisco Computers See: Genisco Technology Corporation

### Genisco Technology Corporation

DIVISIONS:

### Genisco Computers

3545 Cadillac Ave. Costa Mesa, CA 92626 (714) 556-4916 Robert Gray, President Computer Services Offered: • Turnkey Systems

### Gentech, Inc. See: GENASYS Corporation

# Geo Data Corporation

PO Box 3476 Tulsa, OK 74101 (918)584-3366 Ben Rummerfield, President Computer Services Offered: • Processing • Professional

### Directory of Computer Services Companies

### Geo-Search Seismic Processors

Midland Division Headquarters 601 Marienfeld,N Midland, TX 79701

(915)683-6191 Computer Services Offered: • Processing

### Geobased Systems, Inc.

725 W Morgan St Raleigh, NC 27603 (919) 834-9313

Computer Services Offered: • Turnkey Systems

### Geodynanmics Incorporated

8303 Southwest Frwv.Ste 845 Houston, TX 77074 (713)776-8235

Daniel H Sullivan, President

Computer Services Offered: • Processing

### Geographic Systems

100 Main St Redding, MA 01867 (617)942-0051

John Bowen, President Private

Total Sales FYE 9/81: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services

### Geophysical Computing Corp 96 Inverness Dr East, Ste A

Englewood, CO 80112 (303)779-5660 Joseph F Roos, President

Computer Services Offered: • Processing • Professional Services

### Geophysical Service Inc. See: Texas Instruments Inc.

### Geophysical Systems Corp

2085 East Foothill Blvd Pasadena, CA 91107 (213)793-9511

Samuel J Allen, President

Total Sales FYE 12/81: \$35,895,000 Cptr. Svcs. Revs. FYE 12/81: \$2,200,000 Computer Services Offered: . Processing

### GeoQuest International Inc.

4605 Post Oak PL.Ste 130 Houston, TX 77027 (713)627-7180

Ronald N Hodgson, President

Total Sales FYE 7/82: \$7,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Georex

#### SUBSIDIARIES:

### CGG Data Processing Service Inc

1616 Champa St Denver, CO 80222 (303)893-1617 Total Sales FYE 12/81: \$70,000,000

Computer Services Offered: • Processing • Professional

#### Geoscience Petroleum Services Corp 555 17Th St.Ste 3340

Denver, CO 80202 (303)825-5467 Dearal W Beddo, President Computer Services Offered: • Processing • Professional

### Geoscience Technology Services

Corporation 410 17Th St,Ste 1375

Denver, CO 80202 (303)758-2109 Computer Services Offered: • Processing

### Geosource Inc.

See: Actna

### Gerard Systems, Inc.

151 South Warner Rd, St 330 Wayne, PA 19087 (215) 687-5900 Computer Services Offered: • Software Products

Gerber Garment Technology Inc. See: Gerber Scientific, Inc.

### Gerber Scientific Instrument Company,

See: Gerber Scientific, Inc.

#### Gerber Scientific Products, Inc. See: Gerber Scientific, Inc.

Gerber Scientific, Inc.
83 Gerber Road, West

South Windsor, CT 06074 (203) 644-1551 H. Joseph Gerber, President

Total Sales FYE 4/82: \$114,756,000 Computer Services Offered: . Turnkey Systems

### SUBSIDIARIES:

#### Gerber Garment Technology Inc. 55 Gerber Road West

South Windsor, CT 06074 (203) 644-2401 Computer Services Offered: • Turnkey Systems

### Gerber Scientific Instrument Company,

83 Gerber Road West South Windsor, CT 06074 (203) 644-1551

Computer Services Offered: . Turnkey Systems

### Gerber Scientific Products, Inc.

261 Broad Street Manchester, CT 06040 (203) 643-1515

Computer Services Offered: • Turnkey Systems

### Gerber Systems Technology, Inc.

40 Gerber Road East South Windsor, CT 06074 (203) 644-1551 Computer Services Offered: • Turnkey Systems

### Gerber Systems Technology, Inc. See: Gerber Scientific, Inc.

GESCO Corporation

See: Guarantee Savings and Loan

### Gilbert Associates Inc.

PO Box 2948
Reading, PA 97208
(215) 775-2600
James R. Stoudt, President
Public
Total Sales FYE 12/80: \$190,000,000
Cptr. Svcs. Revs. FYE 12/80: \$1,900,000
Computer Services Offered: \* Software Products

### Glendale Federal Savings 401 North Brand Blvd.

401 North Brand Blvd. Glendale, CA 91209 (213) 956-3800 Ray Edwards, Chairman Computer Services Offered: • Processing

### Global Computer Systems Inc

42800 Garfield Rd Mount Clemens, MI 48044 (313)286-1321 Computer Services Offered: • Software Products

### Global Data Corporation/DFA

1968 Concourse Drive
San Jose, CA 95131
(408)263-4033
Dan Foss, Executive Vice President
Total Sales FYE 12/81: \$1,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

# Global Data Corporation, Inc. See: Aregon Group Ltd

Global Data Midwest Corp See: Aregon Group Ltd

### Global Software

1009 Spring Forest Rd Raleigh, NC 27609 (919)872-7800 Ronald Kupferman, President Private

Total Sales FYE 9/82: \$5,000,000 Est.

Computer Services Offered: 

Software Products

### Gnat Computers

7895 Convoy Court, Ste 6 San Diego, CA 92111 (714)560-0433 Robert Carter, President Computer Services Offered: • Software Products

### Goal Systems International Inc

5455 High St.N PO Box 29481 Columbus, OH 43229 (614)888-1775 Steve R. O'Donnell, President Private Total Sales FYE 1/82: \$5,000,000 Est. Computer Services Offered: • Software Products

### Goldbrick Inc.

1461 Ridgeview Rd Columbus, OH 43221 (614)451-0121 Richard H Brickley, President Computer Services Offered: • Software Products

### Golden West Broadcasters

SUBSIDIARIES:

#### Market Buy Market 5858 Sunset Blvd.

Los Angeles, CA 90028 (213) 469-5341 Computer Services Offered: • Processing

#### Goode George & Associates

12840 Hilcrest Rd.
Dallas, TX 75230
(214)980-0730
Computer Services Offered: • Processing • Software
Products

### Gottfried Consultants

3435 Wilshire Blvd.
Los Angeles, CA 90010
(213) 387-2271
Ira Gottfried, President
Private
Total Sales FYE 9/81: \$4,000,000 Est.
Computer Services Offered: Professional Services

### Government Systems Group

1420-A South Village Way Santa Ana, CA 92705 (714)953-5901 Ron C Williams, President Computer Services Offered: • Software Products

#### Grafcon Corporation PO Box 54909

Tulsa, OK 74155 (918)663-5291 Private

Private
Computer Services Offered: • Software Products • Turnkey
Systems

### Graham-Dorian Enterprises

### DIVISIONS:

### Graham-Dorian Software Systems, Inc.

211 North Broadway Wichita, KS 67202 (316) 265-8633 Don Adams, President

Computer Services Offered: • Software Products

### Graham-Dorian Software Systems, Inc. See: Graham-Dorian Enterprises

### Gramco Inc.

2419 Nicollet Ave. Minneapolis, MN 55404 (612) 871-1459 Michael J. Hurley, President

Total Sales FYE 6/81: \$900,000

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### Granada Systems Design, Inc.

303 Fifth Ave New York, NY 10016 (212)686-6945

Computer Services Offered: • Software Products

### Grand Terrace Data Systems

22805 Barton Rd. Grand Terrace, CA 92324 (714) 783-2231

James E. Hughes, President

Computer Services Offered: • Processing

### Graphic Arts Data Service

See: Cunco Press

### Graphic Data

P.O. Box 99991 San Diego, CA 92109 (714) 274-4511 Carl Gerle, President

Computer Services Offered: • Professional Services

### Graphic Management Systems

Name changed to GMS Systems, Inc.

### Graphic Software Systems

25117 SW Parkway PO Box 673 Wilsonville, OR 97070 (503)682-1606

Private Computer Services Offered: • Software Products

### Graphics Technology Corporation

1777 Conestoga St Boulder, CO 80301 (303) 449-1138

Computer Services Offered: . Turnkey Systems

### Graphtek Corporation

2959 W. Fairmount Phoenix, AZ 85017 (602) 277-7434 Marvin Ling, President

Private Total Sales FYE 4/81; \$2,160,000 Est. Computer Services Offered: • Software Products

### Great Divide Software

8060 West Woodard Dr Lakewood, CO 80227 (303)337-0383

Computer Services Offered: • Software Products

### Great Lakes Information Systems Ltd.

5 Research Dr Ann Arbor, MI 48103 (313)663-6402

Computer Services Offered: . Software Products

### Greater Cleveland Computer Center

See: Cuyahoga Savings & Loan, and First Federal of Cleveland

# Greer Sontag Associates Inc. 6 East 45Th St

New York, NY 10017 (212)661-5564

Leonard B. Greer, President Total Sales FYE 7/82; \$500,000 Est.

Computer Services Offered: . Processing . Turnkey Systems

### Gregg Corp

SUBSIDIARIES:

### Gregg Systems Corp

Waltham, MA 02254 (617)890-7227 Gregg Heacock, President

Computer Services Offered: • Software Products

# Gregg Systems Corp

### Grenier Associates Inc.

1133 Avenue of the Americas 35Th Floor New York, NY 10036 (212) 248-4352

Donald Grenier, President

Computer Services Offered: • Processing • Professional

### Groundstar Software

10350 South De Anza Blvd Suite 2D Cupertino, CA 95014 (408)446-3432 Stan Phillips, President Private

Total Sales FYE 12/81; \$375,000 Est. Computer Services Offered: • Software Products

### Group Operations, Inc. 1110 Vermont Ave NW,St 500 Washington, DC 20005 (202) 331-7474

P.E. Loiterstein, President

Private Computer Services Offered: • Software Products • Professional Services

### Grumman Corporation

### SUBSIDIARIES:

### Grumman Data Systems Corporation

1111 Stewart Avenue Bethpage, NY 11714 (516) 575-2523 Ed Balinsky, President

Total Sales FYE 12/81: \$122,000,000 Est. Computer Services Offered: • Processing • Professional Services

#### SUBSIDIARIES:

### ISI Systems Inc.

161 Forbes Rd. Braintree, MA 02184 (617) 848-4620 Charles C. Johnston, President
Computer Services Offered: • Processing

#### Grumman Data Systems Corporation See: Grumman Corporation

### Guarantee Savings and Loan

#### SUBSIDIARIES:

GESCO Corporation 3747 E. Shields Avenue Fresno, CA 93726 (209) 224-8373 Michael Mitchell, President Total Sales FYE 12/81: \$12,000,000 Est. Computer Services Offered: • Software Products •

### Gulf Coast Computer Services

1619 6th Street Bay City, TX 77414 (713) 245-0736

Professional Services

### Gull Airborne Instruments Inc

#### SUBSIDIARIES:

Gull Resources Management Systems, Inc 100 Parkway Drive, South PO Box 9400 Smithtown, NY 11787

(516)435-0600 Peter D'Agrosa, President
Total Sales FYE 5/82: \$2,500,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Gull Resources Management Systems, Inc. See: Gull Airborne Instruments Inc

### Gulley Computer Associates

2300 East 14th Tulsa, OK 74104 (918) 932-3628 Dale Gulley, President Private Computer Services Offered: • Processing • Software Products

### Gurries and Okamoto Inc.

#### DIVISIONS:

AGMO Software 20863 Stevens Creek Blvd Cupertino, CA 95014 (408)255-0184 Computer Services Offered: • Professional Services

### H & A Computer Systems Inc

30 Hotaling Pl, Ste 204 San Francisco, CA 94111 (415) 434-3517 Alan Hochschild, President

Private Total Sales FYE 4/82: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### HAI

20 Parsippany Rd Whippany, NJ 07981 (201)428-8660 Craig Church, President Computer Services Offered: • Software Products •

#### HBO & Company 219 Perimeter Center Pkwy. Suite 111

Atlanta, GA 30346 (404) 393-6000 Walter S. Huff, Jr., President Public Total Sales FYE 3/82: \$38,917,000 Computer Services Offered: • Turnkey Systems

Professional Services . Turnkey Systems

#### HDR Systems Inc. See: Henningson, Durham & Richardson, Inc.

HK Contractors, Inc. 1000 Milligan Rd. P.O. Box 90 Idaho Falls, ID 83401 (208)523-6600

### Computer Services Offered: . Software Products

# HW Systems, Inc. 16134 Hart St Van Nuys, CA 91406 (213) 988-1830

Stanton Wong, President Private

Total Sales FYE 9/81: \$5,100,000 Est. Computer Services Offered: • Processing

# H & M Systems Software, Inc.

New York, NY 10006 (212) 962-4920 Robert M. Russo, Sr., President

Computer Services Offered: • Software Products

### H & R Block

#### SUBSIDIARIES:

### CompuServe Incorporated

5000 Arlington Centre Blvd. Columbus, OH 43220 (614) 457-8600 Jeffrey M. Wilkins, President Total Sales FYE 12/81: \$30,355,000 Est. Cptr. Sves. Revs. FYE 12/81: \$30,238,000 Est. Compute Services Offered: Processing

#### DIVISIONS:

### CompuServe Network Services

5000 Arlington Centre Blvd PO Box 20212 Columbus, OH 43220 (614)457-8600 Computer Services Offered: • Processing

### Hadron Inc.

1951 Kidwel Dr Vienna, VA 22180 (703) 790-1840 Dominic Laiti, President Public Total Sales FYE 3/81: \$12,926,998 Cptr. Svcs. Revs. FYE 3/81: \$6,4

Cptr. Svcs. Revs. FYE 3/81: \$6,448,774

Computer Services Offered: • Processing • Professional Services

### SUBSIDIARIES:

#### Simcon Inc.

7655 Old Springhouse Rd. Westgate Research Park McLean, VA 22102 (703) 734-1202 Donald H. Stromberg, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Hal Systems & Services

3539 Alpha Rd, Ste 100
Dallas, TX, 75240
(214)385-2300
James T Langham, President
Total Sales FYE (5/81: \$3,300,000 Est.
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### Hale Brothers Associates

### SUBSIDIARIES:

### Computer Election Systems, Inc.

1001 Eastshore Highway Berkeley, CA 94710 David L. Dunbar, President

### Remote Computing Corporation

1076 East Meadow Circle
Palo Alto, CA 94303
(415) 494-6111
Charles G. Calderaro, President
Total Sales FYE 3/82: \$7,285,000
Computer Services Offered: • Processing

### SUBSIDIARIES:

### Merlin Systems Corporation

1044 Northern Blvd. Roslyn, NY 11576 (516) 484-4545

### Mortgage Index (The), Inc.

1000 East Meadow Circle Palo Alto, CA 94303 (415) 494-6111

### Hall and McChesney

See: Chicago Title & Trust Company

### Hallahan, G.W. and Co Inc.

1660 Soldiers Field Rd Boston, MA 02135 (617)782-6100 Computer Services Offered: • Software Products

### Halliburton Company

#### SUBSIDIARIES:

### Brown and Root

4100 Clinton Dr P O Box 3 Houston, TX 77001 (713)676-3011

### Hancock-Dikewood Services Inc.

### Handley Ltd.

74 Tempest Drive Chesterfield, MO 63017 (314) 469-3200 Ronald H. Womack, President

### Haney & Associates 23241 Ventura Blvd. Ste 115

Woodland Hills, CA 91364 (213) 703-8808 Roger A. Haney, President Private Total Sales FYE 12/81: \$760,000 Computer Services Offered: • Professional Services

Hanover Information Systems

### SUBSIDIARIES:

### Alpine Data Systems 8043 S.W. Cirrus Dr.

Beaverton, OR 97005 (503) 641-8100 Jack Berty, President Total Sales FYE 12/81: \$6,000,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Hansco Data Processing Inc.

P.O. Box 236
Wilbraham, MA 01095
(413) 732-9613
R. Hanson, President
Private

Private

Computer Services Offered: • Software Products •

Professional Services

### Hansen, A.S. Inc.

1080 Green Bay Rd. Lake Bluff, IL 60044 (312)234-3400 Larry Fisher, President

### Hansen, H.J. Co. 1495 Oakwood

Des Plaines, IL 60016
(312)824-6601
Computer Services Offered: • Software Products

### Harfst Associates Inc.

2205 Fortune Drive San Jose, CA 95131 (408) 448-2280 Harold Harfst, Jr., President rivate

Total Sales FYE 2/81: \$2,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Harper & Row Publishers Inc.

### SUBSIDIARIES:

### Sensible Software

6619 Perham Dr West Bloomfield, MI 48033 (313)399-8877 Private

Computer Services Offered: • Software Products

### Harris & Paulson Inc.

910 15th St.
Denver, CO 80202
(303)573-8300
Ron Paulson, President
Private
Total Sales FYE 12/81: \$1,300,000 Est.
Computer Services Offered: • Processing • Software

Products • Turnkey Systems

Harris Corporation

#### SUBSIDIARIES:

### Electrocon International, Inc.

#### DIVISIONS:

### Harris Corporation Computer Systems Division

1200 Gateway Drive Ft. Lauderdale, FL 33309 (305) 974-1700 Harold N. Morris, Vice President

### Harris Corporation Computer Systems Division

See: Harris Corporation

# Harris Data Service Inc.

Milwaukee, WI 53226 (414) 475-1760 Thomas Harris, President Private Total Sales FYE 12/81: \$5,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

### DIVISIONS:

### D-NET

11629 West Dearbourn Ave Milwaukee, WI 53226 (414)475-1760 James Sciano, President Computer Services Offered: • Software Products

### Harris Information Systems, Inc.

760 Highway 18
East Brunswick, NJ 08816
(201) 251-970ey, President
Total Sales FYE 1/82: \$300,000
Computer Services Offered: • Software Products •
Professional Services • Turnky Systems

### Harry & David, Inc.

### DIVISIONS

#### Rogue Valley Data Processing 2518 S Pacifica Hwy, P.O. Box 1645 Medford, OR 07501

(503) 776-2233 David Schneider, Manager

# Hart Systems Inc. One Commercial Avenue Garden City Park, NY 11530 (516) 248-2290 Harvey Goldsmith, President

Private
Total Sales FYE 3/82: \$7,000,000 Est.
Computer Services Offered: • Processing

### Directory of Computer Services Companies

### Harte Hanks Communications, Inc.

### SUBSIDIARIES:

### Urban Data Processing

209 Middlesex Turnpike Burlington, MA 01803 (617) 273-0900 Robert G Coyne, President

Private
Total Sales FYE 12/81: \$3,200,000

Computer Services Offered: • Processing • Software Products

### Hartley Data Service Inc.

1807 Glenview Rd. Glenview, IL 60025 (312) 724-9280 R.K. Koolish, President Private

Computer Services Offered: • Processing

### Haskell, E.F. & Associates

1528 E. Missouri Phoenix, AZ 85012 (602) 277-2534 Ed Haskell, Owner

### Hatter Data Systems

P.O. Box 1362 McAlester, OK 74501 (918) 423-6565 Computer Services Offered: • Software Products

### Haverly Systems Inc.

78 Broadway PO Box 919 Denville, NJ 07834 (201) 627-1424 Clarence A. Haverley, President

Private
Total Sales FYE 6/82: \$1,500,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Hawkeve Grafix

23914 Mobile
Canoga Park, CA 91307
(213)348-7909
Computer Services Offered: • Software Products

### Hay Huggins Data Services Inc.

229 S. Eighteenth Philadelphia, PA 19103 (215) 893-0280 William Bender, President

Computer Services Offered: • Processing

### Hayden Publishing Software Division

See: Hayden Publishing Company Inc.

### Hayden Publishing Company Inc. 50 Essex St

Rochelle Park, NY 07662

### DIVISIONS:

### Havden Publishing Software Division

Rochelle Park, NJ 07662
(201)843-0550
James Mulholland, President

Total Sales FYE 12/81: \$6,000,000 Est.

Computer Services Offered: • Software Products

# Health Information Systems Inc. (HIS) 4522 Fort Hamilton

Brooklyn, NY 11219 (212) 435-6300 George Weinberger, President Public Total Sales FYE 6/81: \$3,900,000 Computer Services Offered: • Turnkey Systems

### Health Systems Institute

500 Airport Blvd., Suite 318 Suite 205 Burlingame, CA 94010 (415) 348-8711 Robert R. Abrams, President

#### DIVISIONS:

### Health Systems Institute of Maine

11 Chapel St.
Augusta, ME 04320
(207)622-7153
John L. Campbell, Exec Vice President
Private
Total Sales FYE 3/81: \$1,531,670
Cptr. Sves. Revs. FYE 3/81: \$950,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

### Professional Health Research

965 Mission St. Ste. 405
San Francisco, CA 94103
(415) 777-9143
Joseph Hirshman, PH.D., Vice President
Private
Computer Services Offered: \* Professional Services

### Health Systems Institute of Maine

See: Health Systems Institute

Heidelberg Eastern Inc.

### DIVISIONS:

### Profit Control Systems

45 Route 46 Pinebrook, NJ 07058 (201)227-8500 Jim Corcoran, General Manager Total Sales FYE 12/81: \$6,000,000 Computer Services Offered: • Turnkey Systems

### Heights Information Technology Service,

17 Broadway, N. Tarrytown, NY 10591 (914)332-0550 Burton Grad, President

Total Sales FYE 12/81; \$8,000,000 Est. Computer Services Offered: • Professional Services

### Heineck Associates, Inc

1 Carriage Court Stony Brook, NY 11790 (516)751-7835

#### Helm Data Processing Inc. P.O. Box 147 1190 Eighth St.

Arcata, CA 95521 (707) 822-0386 Robert R. Helm, President

Total Sales FYE 4/81; \$550,000 Est. Computer Services Offered: • Processing

#### Hemenway Corporation 101 Tremont St. Suite 208 Boston, MA 02108

(617) 426-1931 Jack E. Hemenway, President Total Sales FYE 11/82; \$1,000,000 Est. Computer Services Offered: . Software Products

### Henco, Inc. 35 Walnut St.

Wellesley, MA 02181 (617)237-4156 Henry T. Cochran, President Total Sales FYE 12/80; \$1,250,000 Computer Services Offered: . Software Products . Turnkey

### Henningson, Durham & Richardson, Inc.

### SUBSIDIARIES:

### HDR Systems Inc.

8404 Indian Hills Drive Omaha, NE 68114 (402) 399-1400 George Haddix, Ph.D., President Computer Services Offered: • Processing • Professional Services

### Henry, Jack & Associates

PO Box 346 Monett, MD 65708 (417)235-6652 Jack Henry, President Private Total Sales FYE 6/81: \$3,000,000 Est. Computer Services Offered: • Software Products

### Herco

7250 Wynnwood Houston, TX 77008 (713)869-9371 Total Sales FYE 7/80: \$4,500,000 Computer Services Offered: • Professional Services

### Heritage Computer Corporation See: Heritage Insurance Corporation

### Heritage Insurance Corporation

### SUBSIDIARIES:

### Heritage Computer Corporation 2300 Kohler Memorial Drive

Sheboygan, WI 53081 (414) 458-9131 Russ Cicby, President Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services

Herring Associates, Inc 440 Grand Ave, Ste 415 Oakland, CA 94610 (415)839-7821 Computer Services Offered: • Software Products

### Hersey, Harlan S., Inc.

106 Quaker Dr. West Warwick, RI 02893 (401) 822-0176

### Heuristic DataSystems, Inc.

1 Woodside Dr, Ste L-101 Richmond, IN 47374 (314) 966-4900 David R. Perks, President Total Sales FYE 12/81: \$600,000 Computer Services Offered: . Processing . Software Products · Professional Services · Turnkey Systems

### Hewitt Associates

102 Wilmot Road Deerfield, IL 60015 (312) 945-8000

### Hewlett-Packard General Systems Division See: Hewlett-Packard Corporation

Hewlett-Packard Corporation

### Directory of Computer Services Companies

#### DIVISIONS:

### Hewlett-Packard General Systems Division

19447 Pruneridge Ave. Cupertino CA 95014 (408) 257-7000 Edward R. McCracken, Manager Total Sales FYE 10/81: \$3,707,000,000 Cptr. Svcs. Revs. FYE 10/81: \$90,550,000 Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

### SUBSIDIARIES:

### Information Resources Ltd

7995 East Prentice Ave Building 40 East Englewood, CO 80011 (303)773-1992 Raymond Stover, President Computer Services Offered: • Software Products

### Hex Data Services Inc.

225 W. 34th Street New York, NY 10001 (212) 947-8765 Josef Rovner, President

### High Technology Software Products,Inc 2201 NE 63Rd PO Box 14665

Okalahoma City, OK 73113 (405)478-2105 Computer Services Offered: . Software Products

Higher Order Software Inc 806 Massachusetts Ave Cambridge, MA 02139 (617) 661-8900 Margaret Hamilton, President

Highlanders Systems, Inc. 335 S 1000 E Orem, UT 84057 (801) 225-0396 Computer Services Offered: . Software Products

Computer Services Offered: • Software Products

Higley & Company, Inc. 7547 Mentor Ave., Ste 104 Mentor, OH 44060 (216) 946-5359 Leo A. Higley, President Total Sales FYE 12/82: \$950,000 Computer Services Offered: • Software Products • Professional Services

### Hill International

### SUBSIDIARIES:

### Construction Management Systems P.O. Box 90

Haddonfield, NJ 08033 (609) 429-4030 Joseph Raneri, Manager Computer Services Offered: • Processing

### Hillton Enterprises, Inc.

2636 Forrest Hill Blvd West Palm Beach, FL 33406 (305) 964-4215 Richard F. Hill, President Private

Total Sales FYE 12/80; \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Hobbs Associates Inc. P.O. Box 686

Corona Del Mar, CA 92625 (714) 546-0961 L.O. Hobbs, President Private Computer Services Offered: • Processing • Professional Services

Hochschild, Alan, Inc. 601 Montgomery St., Ste. 1411 San Francisco, CA 94115 (415)434-3517 Alan Hochschild, President Computer Services Offered: • Software Products

### Hogan Systems, Inc.

14951 Dallas North Parkway Dallas, TX 75240 (214)386-0020 Richard Streller, President Public

Total Sales FYE 3/82; \$8,315,000 Computer Services Offered: • Software Products

### Holguin & Associates

5822 Cromo St. El Paso, TX 79912 (915) 581-1171 Hector Holguin, President Total Sales FYE 3/80; \$5,000,000 Est. Computer Services Offered: . Software Products

#### Hollander Associates P.O. Box 2276

Fullerton, CA 92633 (714) 879-9000 G.L. Hollander, President Computer Services Offered: • Software Products • Professional Services

### Holmes & Shaw Inc.

280 Century Building West P.O. Box 32907 San Antonio, TX 78216 (512) 341-6641 George V. Shaw, President Total Sales FYE 6/80: \$2,500,000 Computer Services Offered: • Processing • Turnkey Systems

#### Honeywell Datanetwork See: Honeywell Inc.

### Honeywell Inc.

Honeywell Plaza Minneapolis MN 55408 (612) 870-5200 Edson W. Spencer, President Public

Total Sales FYE 12/81: \$5,345,000,000 Cptr. Svcs. Revs. FYE 12/81: \$115,900,000 Computer Services Offered: • Processing • Software Products • Professional Services

### SUBSIDIARIES:

### Honeywell Information Systems

Honeywell Plaza Minneapolis, MN 55408 (612) 870-5200 S.J. Jerritts, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### DIVISIONS:

### Honeywell Datanetwork

Honeywell Plaza Minneapolis, MN 55408 (612) 870-6000 Leonard J Koch, Jr, Director Computer Services Offered: • Processing

### Honeywell Information Systems

See: Honeywell Inc.

### Horizon Software Systems

220 Downey St San Francisco, CA 94117 (415) 751-1311 Private Computer Services Offered: • Software Products

### Horrigan Analytics

1460 N. Sandburg Terrace Chicago, 1L 60610 (312) 642-8272 Timothy J. Horrigan, President

Computer Services Offered: • Professional Services

### Hospital Computer Systems Inc. 8850 Veterans Blvd.

Metairie, LA 70003 (504) 469-7391 John L. Henson, President

### Hospital Data Services 1645 Dorchester, Ste B Plano, TX 75075

(214)596-2105 Al Rosen, President Private Total Sales FYE 7/82; \$400,000 Est. Computer Services Offered: Processing Software Products Professional Services Turnkey Systems

#### Hospital Management Services See: Professional Hospital Services.

Hot Line, Inc.

### SUBSIDIARIES:

Tele-Equip P.O. Box 1352 Fort Dodge, IA 50501 (800) 247-2244 Robert Qualey, President Computer Services Offered: • Processing

Hotel Computers

221 W Lancaster, Ste 1200 Fort Worth, TX 76102 (213)787-7380 Halden Conner, President Private

Hotze, James B. Company 3303 South Rice Ave Houston, TX 77056 (713)960-0848 Private

Total Sales FYE 7/82: \$400,000 Computer Services Offered: • Software Products

### Houghton Mifflin Company

One Beacon Street Boston, MA 02108 (617)725-5000 Public Total Sales FYE 12/81: \$185,000,000 Cptr. Svcs. Revs. FYE 12/81: \$6,150,000 Computer Services Offered: • Processing • Software Products

### SUBSIDIARIES:

### Market Data Retreival

Ketchum Place Westport, CT 06880 (203) 226-8941 Computer Services Offered: • Processing

P.O. Box 683

2900 Smith

Hanover, NH 03755 (603) 448-3838 Richard T. Bueschel, President Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Houston Data Center Inc.

Houston, TX 77006 (713) 522-9607 Joe Kurka, President Private

Total Sales FYE 4/82: \$4,500,000 Computer Services Offered: • Processing

### Houston Engineering Research Corporation

7250 Wynnwood Street Houston, TX 77008 (713) 869-9371 Joseph L. Schweppe, President Private Total Sales FYE 11/81: \$3,000,000 Est. Computer Services Offered: • Professional Services

**— 113 —** 

### Directory of Computer Services Companies

### Houston Information Systems Inc

5151 Mitcheldale Dr Houston, TX 77092 (713)681-3121 Norman Coe, President

Total Sales FYE 10/81: \$4,000,000

Computer Services Offered: • Processing

Houston Micro-Computer Technologies,

2201 Red Oak LN Richardson, TX 75081 (713) 661-2005 Steve Tune, President

Private

Computer Services Offered: • Software Products • Turnkey
Systems

Houston Processors Inc

5905 Sovereign Dr,Ste 114 Houston, TX 77036 (713)776-2285 JF Nichols, President

Computer Services Offered: • Processing

Howard Finley Corporation

6400 Westpark Drive Houston, TX 77057 (713) 785-4549 Howard Finley, President

Private

Computer Services Offered: 
Processing Professional

Howard Software Services

7722 Hosford Avenue Los Angeles, CA 90045

Los Angeles, CA 90045

Howard Systems International 708 Third Ave. New York, NY 10017 (212) 682-2400

Howard Persky, President
Private
Computer Services Offered: 

Professional Services

Huber, J.M. Corporation

Thornall Street Edison, NJ 08817 (201) 549-8600

Hudson Soft Inc. 2063 Center St

Berkeley, CA 94704 (415)845-1416 Computer Services Offered: • Software Products

Human Computing Resources Corp.

10 St. Mary Str., Suite 401 Toronto, ON M4Y1P (416) 922-1937 Ronald Baecker, PH.D., President

Ronald Baecker, PH.D., President
Private

Computer Services Offered: • Software Products •

Professional Services Offerea:

Human Resource Information Center Inc.

1211 West 22nd Street Oak Brook, IL 60521 (312) 325-8890 Daniel G. Lawrence, President

Humatix Business Systems Inc.

10810 Paramount Blvd Downey, CA 90242 (213)861-6744 Thomas White, President Private Total Sales FYE 4/82: \$450.000

Total Sales FYE 4/82: \$450,000 Computer Services Offered: • Software Products

Hunter & Ready Inc.

445 Sherman Ave PO Box 11803 Palo Alto, CA 94306 (415)326-2950 Colin Hunter, President

Computer Services Offered: • Software Products

Hurd Associates

40501 Fremont Blvd. Fremont, CA 94538 (415) 657-2666 Nicholas N. Hurd, President

Private

Computer Services Offered: 

Software Products

Professional Services

Hutchinson Associates Ltd.

8983 N. 70th St. Milwaukee, WI 53223 (414) 963-4274

Computer Services Offered: . Software Products

Hydra Computer Corporation

622 Downtown Blvd. Raleigh, NC 27619 (919) 782-1051 Fred C. Tarbox, President Private

Computer Services Offered: • Processing

Hydro-Data Inc.

Tempe, AZ 85282 (602)966-0719

Computer Services Offered: • Processing

Hydrocomp Inc.
201 San Antonio Circle, Ste. 2
Mountain View, CA 94040
(415) 948-3919

Norman Crawford, President Private Total Sales FYE 10/80: \$600,000

Computer Services Offered: • Processing • Software Products • Professional Services

ICL, Inc.
See: International Computers Ltd.

ICM Computer Corporation

P.O. Box 7220 Tulsa, OK 74105

ICS Group 3848 Carson St, Ste 320 Torrance CA 90503 (213) 540-4066

Computer Services Offered: • Professional Services

See: International Computer Technology (ICT) Corporation.

IDC Data Services Inc. See: IDC Services Inc.

IDC Services Inc.

SUBSIDIARIES:

IDC Data Services Inc.

393 Front Street Hempsted, NY 11550 (516)481-6060 George A. Brenner, Vice President

Total Sales FYE 3/80: \$2,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

IDSI

PO Box 7685 Albuquerque, NM 87104 (505)292-0057 Computer Services Offered: • Software Products • Turnkey

IE Systems Inc 112 Main St PO Box 359 Newmarket, NH 03857 (603)659-5891 Maxwell F Eveleth, President Total Sales FYE 3/82: \$300,000 Est. Computer Services Offered: • Software Products

IFA Computer Services Inc. 11 North Avenue, West Cranford, NJ 07016 (201) 272-4350 Donald A. Thee, President Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Processing • Turnkey Systems

III Systems, Inc. See: Baltic Company

IJG Computer Services 1260 W. Foothill Upland, CA 91786 Computer Services Offered: • Software Products

**ILD Marketing** PO Box 4651

Manchester, NH 03108 (603) 880-7200 Kathy Ames, Owner Computer Services Offered: • Software Products IMR Systems Corporation

1705 De Sales St. NW Washington, DC 20036 (202)466-3330 Computer Services Offered: • Processing • Software

IMS American Ltd Maple & Butler Aves.

Ambler, PA 19002 (215) 643-0400 Computer Services Offered: • Processing

### IMS Marketronics

19 W. 44th St. New York, NY 10036 (212) 869-8810 Computer Services Offered: • Processing

IMS Systems Corporation

l Penn Plaza New York, NY 10001 (212) 736-5210 Ira B. Brown, President Private

SUBSIDIARIES:

Brandon Consulting Group, Inc. 1775 Broadway

New York, NY 10019 (212) 977-4400 Richard Brandon, President Total Sales FYE 12/80; \$950,000 Est. Computer Services Offered: • Professional Services

IPL Inc. 102 Waterman Street Providence, RI 02906 (401) 272-6555

ISI Systems Inc. See: Grumman Corporation

IST

2 Complexe Desjardins Montreal, QU H5B 1 (514) 284-1111

ITS Computing, Inc. 225 B Frito Lay Tower

Dallas, TX 75235 (214)358-1486 Computer Services Offered: • Processing

ITT

#### SUBSIDIARIES:

Dialcom Inc.

1109 Spring Street Suite 410 Silver Spring, MD 20910 (301) 588-1572 Robert F. Ryan, President

Private Total Sales FYE 12/81: \$8,500,000 Est. Computer Services Offered: • Processing

Federal Electric Corporation

621 Industrial Ave Paramus, NJ 07652 (201)967-0123 (201)961-0123
Paul Gordon, President
Total Sales FYE 12/81: \$225,000,000
Cptr. Svcs. Revs. FYE 12/81: \$15,000,000
Computer Services Offered: • Professional Services

I-Concepts, Inc 2560 Royal Lane, Ste 28 Dallas, TX 75229 (214)243-0700 Ed Hayden, President Private

Total Sales FYE 11/82; \$1,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

IBIS Corporation

8150 Leesburg Pike Tyson's Corner, VA 22180 (703)827-0350 Fred T. Multhen, President Private Total Sales FYE 12/80: \$250,000 Computer Services Offered: • Processing

Iconix

10441 Bandley Dr Cupertino, CA 95014 (408)255-550 David Davison, President Private Total Sales FYE 5/81: \$2,000,000 Est. Computer Services Offered: • Processing • Turnkey Systems

311 California St. Ste. 700 San Francisco, CA 94104 (415)421-2651 Computer Services Offered: • Software Products

Ideal Computer & Electronics Inc. (ICE)
3505 Turtle Creek Blvd.
Dallas, TX 75219

(214)386-0274

Computer Services Offered: • Software Products

Ikier Technology 7 Oak Park

Bedford, MA 01730 (617)275-4330 Hans Ikier, President Computer Services Offered: • Turnkey Systems

Ikonas Graphic Systems Inc

### Illiana Data Processing

P.O. Box 399 Tinley Park, 1L 60477 (312) 532-2700 William Siccone, President

Computer Services Offered: • Processing • Software Products • Professional Services

### Illinois Micro Inc.

200 E Evergreen Mount Pleasant, 1L 60056 (312)883-0110 David Paul, President Computer Services Offered: . Software Products

Illinois Stock Transfer Inc.

See: Midwest Stock Exchange and DST, Inc.

### Imagen Corporation

12769 Dianne Dr Los Altos Hills, CA 94022 (415)949-1580

Impact Services

See: Pioneer Data Systems

#### Improved System Technologies Inc. 888 Seventh Ave.

New York, NY 10019 (212) 586-1098 C.P. Gane, President Private

Total Sales FYE 2/80: \$1,250,000 Est. Computer Services Offered: • Professional Services

### In-Situ Inc

1 Denver PL,10Th Fl,Tower 1 Denver, CO 80202 (303)293-2004 Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

Incepts, Inc. 14114 Dallas Pkwy Dallas, TX 75240 (214) 385-6497 Charles Anglin, President

Total Sales FYE 7/81: \$987,000 Computer Services Offered: • Professional Services

INCO Inc. 8260 Greensboro Dr. McLean, VA 22102 (804) 442-7960 Warren Polk, President

Total Sales FYE 3/81: \$10,000,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

Inconographics,Inc 3022 Graham Court Falls Church, VA 20042 (703)560-0553

Computer Services Offered: • Professional Services

Indecon Inc. 300 S. Wacker Suite 720 Chicago, IL 60606 (312) 786-0220 Tommy Davis, President

Total Sales FYE 7/82: \$5,000,000 Est. Computer Services Offered: • Professional Services

### Independent Computer Systems (ICS) 8686 N Central, Ste 126

Phoenix, AZ 85020 (602)944-9693 Robert E Bray, Jr, President Private Total Sales FYE 1/82: \$1,800,000 Computer Services Offered: • Software Products •

Independent Newspapers Inc.

DIVISIONS:

Professional Services

### Del-Data Computer Services

554 Garton Rd. Dover, DE 19901 (302) 674-4819 Walter E. Trabbold, President Total Sales FYE 6/81: \$500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# Independent Tax Corporation (ITC) 6400 E. Washington Blvd. Los Angeles, CA 90040

(213)724-6922 Private Total Sales FYE 4/81: \$2,000,000 Computer Services Offered: . Processing

#### Index Systems Inc. 5 Cambridge Center

Cambridge, MA 02142 (617) 492-1500 Thomas Garrity, President Total Sales FYE 9/81: \$13,000,000 Est. Computer Services Offered: • Professional Services

### Indian Head, Inc.

SUBSIDIARIES:

### Information Handling Services

15 Inverness Way, E. Englewood, CO 80150 (303)779-0600 Robert F. Asleson, President

Computer Services Offered: 

Processing

#### DIVISIONS:

### Bibliographic Retrieval Services Inc.

1200 Route 7 Latham, NY 12110 (518) 783-1161 Janet Egeland, President Private Total Sales FYE 12/80; \$4,000,000 Est. Computer Services Offered: • Processing

### Indiana Bank

DIVISIONS:

### Financial Systems Consultants

PO Box 1204 Fort Wayne, IN 46801 Computer Services Offered: • Software Products

### Indiana Gas Company, Inc.

1630 North Meridian Street Indianapolis, IN 46202 (317) 926-3351 John F. Kavanaugh, President Cptr. Svcs. Revs. FYE 12/79: \$300,000 Est. Computer Services Offered: . Processing . Software Products

### Indiana Information Controls Inc.

See: Urschel Laboratories

### Indiana National Bank One Indiana Square

Indianpolis, IN 46204 (317) 266-6512 Thomas Miller, President Computer Services Offered: • Processing

### Industrial Life-Technical Services Inc.

2 Complexe Desigrding East Tower, Suite 1317 Montreal, QU H5B1B Morris Martel, President

### Industrial Programming, Inc.

100 Jericho Quandrangle Jericho, NY 11753 (516)938-6600 Bernard Mushinsky, President Private Computer Services Offered: 

Software Products 

Turnkey Systems

### Industry Data Services

2560 Mission College Blvd Santa Clara, CA 95054 (408)988-8311 Richard Wilke, President Total Sales FYE 12/81: \$7,100,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

### Power Management

190 South King St, Suite 800 Honolulu, HI 96813 (808) 521-8011 Richard Wilke, President Computer Services Offered: • Processing

### Directory of Computer Services Companies

### Infinity Software Corp

2210 Wilshire Blvd, Ste 801 Santa Monica, CA 90403 (213)820-2702

### Info & Financial Services, Inc.

1 E Penn Square, Suite 2200 Philadelphia, PA 19437 (215) 568-3130 Jerard Aman, President

### Info 3

21250 Califa St. Woodland Hills, CA 91367 (213) 999-5753 Larry Vermillion, President

Private
Total Sales FYE 1/80: \$350,000 Est.
Computer Services Offered: • Software Products •
Professional Services

# Info-Data Services, Inc.

Kansas City, MO 64105 (916) 842-2611 Ronald G. Osborn, President Private Total Sales FYE 12/80: \$850,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

### Info-dvne Inc.

7417 Bush Lake Rd Minneapolis, MN 55435 (612) 861-3316

### Info-Serve, Inc.

1201 Central Great Falls, MT 59401 (406) 761-8954 Richard Hensley, President Private

Computer Services Offered: • Processing • Turnkey Systems

#### Infodata Systems Inc.

30A State Street
Pittsford, NY 14530
(716) 381-787
Ronald A. Furman, President
Public
Total Sales FYE 12/81: \$6,497,488
Computer Services Offered: • Software Products

Infographics Inc

#### See: Business Color Graphics Inc.

Infolink Corporation 1925 Holstee Road Northbrook, IL 60062 (312) 291-2900

### Infomark, Inc. 9 N. Bacton Hill Rd.

Frazer, PA 19355 (215) 647-8685 Bill Browne, President

Total Sales FYE 11/81: \$5,000,000 Computer Services Offered: • Turnkey Systems

### Infomart

See: Torstar Corp./Southam Inc.

### Infomed

260 U.S. Route One Monmouth Junction, NJ 08852 (201) 329-4527 Frederick Neufeld, President ivate

Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Infonational

P.O. Box 82477 San Diego, CA 92138 Computer Services Offered: • Software Products

### Infopac Associates, Inc.

324 Rose St Freeport, NY 11520 (516) 378-3435

# InfoPro Services Inc.

1487 Shermer Road Northbrook, IL 60062 (312) 541-4660

### Infor-Data Inc

3305 Spring Mountain Rd. Suite 68 Las Vegas, NV 89102 (702)873-9796

### Informata Landex Systems

23241 Ventura Blvd Woodland Hills, CA 91364 (213)346-9203 Donald Henley, President Private

Total Sales FYE 3/81: \$700,000 Est.

Computer Services Offered: • Turnkey Systems

#### Informatics General Corp 21031 Ventura Blvd.

Woodland Hills, CA 91364 (213) 887-9040 Walter F. Bauer, PH.D., President Public Total Sales FYE 12/81: \$150,327,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### Automated Systems Design Corporation

225 West 34th St New York, NY 10001 (212) 239-0840 Computer Services Offered: • Professional Services • Turnkey Systems

### Management Control Systems Inc

2400 Lake Park Dr Atlanta, CA 30339 (404) 432-1996

Computer Services Offered: • Software Products • Turnkey Systems

### Informatie en Communicatie Unie of The Netherlands

### SUBSIDIARIES:

### Aspen Systems Corporation

1600 Research Blvd Rockville, MD 20850 (301) 251-5000

Herbert R. Brinberg, Ph.D., President

### Information & Communications, Inc.

99 East San Jose Avenue Burbank, CA 91502

(213) 846-5600 Private

Computer Services Offered: • Software Products • Turnkey Systems

### Information & Financial Services

1 East Penn Sq, Ste 2200 Philadelphia, PA 19107 (215) 568-3130 Jerry Aman, President

### Information & Publishing Systems, Inc.

4720 Montgomery Ln. Bethesda, MD 20814 (301) 652-5424 Merle Garvis, President

Total Sales FYE 12/80: \$350,000 Est.

Computer Services Offered: • Software Products •

### Information Access Systems, Inc.

Professional Services P.O. Box 835 Sparta, NJ 07871 (201) 625-9220

William Brady, President

Computer Services Offered: • Software Products

### Information and Systems Research, Inc. (ISR)

410 Rouser Rd. Airport Office Park Bldg. 1 Coraopolis, PA 15108

(412) 373-0500 Ron Morris, President

Private Computer Services Offered: • Software Products

### Information Associates, Inc.

97 Humboldt Street Rochester, NY 14609 (716) 288-6900

John G. Robinson, Chairman

Computer Services Offered: • Software Products •

Professional Services

### Information Automation, Inc.

925 Westchester Avenue White Plains, NY 10604 (914) 948-4300

Robert Kissner, President

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Information Builders, Inc.

1250 Broadway New York, NY 10001 (212) 736-4433 Gerald D. Cohen, President

Private Total Sales FYE 12/81: \$9,500,000

Computer Services Offered: • Software Products

### Information Catalysts, Inc.

521 Fifth Ave. New York, NY 10017 (212) 952-8856

William Bell, President

Computer Services Offered: • Software Products • Professional Services

### Information Concepts, Inc.

1750 One Dallas Centre Dallas, TX 75201 (214)324-2128

Computer Services Offered: . Software Products

### Information Consultants Inc.

1012 20th Street N.W. Washington, DC 20036 (202) 785-0115 Merle Garvis, President

Private Total Sales FYE 2/80: \$2,500,000 Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Information Control Inc. See: Desa, Inc.

### Information Control Systems Corporation 1233 W. Mount Royal Avenue

Baltimore, MD 21217 (301) 752-1934 Garland O. Williamson, President

### Information Displays, Inc.

28 Kaysal Court Armonk, NY 10504 (914) 592-2025

Information Dynamics Inc. 129 E. Market Suite 300 Indianapolis, 1N 46204 (317) 639-6371 George Dougherty, President

Private Total Sales FYE 5/80: \$1,250,000 Est. Computer Services Offered: • Processing

# Information Engineering 8 Bay Road, Box 305 Newmarket, NH 03857

(603) 659-5891

INPUT

### Directory of Computer Services Companies

Information Equities Inc. 4140 Redwood Highway, Suite 3 San Rafael, CA 94903 (415)472-2072

Daniel Haagens, President Computer Services Offered: • Software Products • Professional Services

### Information Handling Services See: Indian Head, Inc.

### Information Industries, Inc.

Ten Main Center Kansas City, MO 64105 (816) 421-6969 Maurice Gosnay, President

### Information Management International

### Information Management Technologies

180 N. Michigan Ave. Chicago, IL 60601 (312) 372-4222 Carl Cirillo, Director

Private Total Sales FYE 4/81: \$7,000,000 Est.

Computer Services Offered: • Professional Services

### Information Management Consultants Inc.

1008 N. Randolph St. Arlington, VA 22201

Computer Services Offered: • Software Products

### Information Organization Corporation, The

2295 Vallejo Street San Francisco, CA 94123 (415) 921-3798

Diane Daniels, President Computer Services Offered: • Software Products

### Information People Inc. The

443 Hudson Ave Newark, OH 43055 (614)349-8644

Charles M. Kolb, Managing Partner

Total Sales FYE 12/81: \$250,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Information Plus, Inc

6001 Savoy, Ste 603 Houston, TX 77036 (713)977-3515 George Dehan, President

Computer Services Offered: . Software Products

### Information Processing Corporation 1720 1st International Building

Dallas TX 75270 (214) 744-5638 S.G. Callier, President

Total Sales FYE 12/81: \$5,400,000 Computer Services Offered: . Processing . Software Products

### Information Processing Directions, Inc.

666 Dundee Rd. Suite 203 Northbrook, IL 60062 (312) 291-0800 Maurice Hoffman, President

Computer Services Offered: • Software Products • Turnkey

### Information Processing Techniques Corp.

1070 East Meadow Circle Palo Alto, CA 94303 (415)494-3211

Steve Carr, PH.D., President Private

Total Sales FYE 12/80: \$700,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Information Processing Inc.

1850 Lee Road, Suite 320 Dallas, FL 32789 (305) 647-2200 T. Donald Tyra, Jr., President Private

Total Sales FYE 12/81: \$1,100,000 Computer Services Offered: • Software Products

### Information Recall Systems, Inc.

17 Avery Square Needham, MA 02194 (617) 444-8208 Gordon Gibson, President Private

Total Sales FYE 6/81: \$250,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Information Research Associates 911 W 29th

Austin, TX 78705 (512) 474-4526 K M Chandy, PHD, President

Private Total Sales FYE 8/82; \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

### Information Resources Inc.

470 E. Paces Ferry Rd. NE Suite 120 Atlanta, GA 30355 (404) 325-9934 W.W. Leroy, Jr., President

### Information Resources Ltd

See: Hewlett-Packard Corporation

### Information Science, Inc. 95 Chestnut Ridge

Montvale, NJ 07645 (201) 391-1600 Leo Kornfeld, President

Private Total Sales FYE 4/81: \$18,000,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

#### SUBSIDIARIES:

Program Products, Inc.

95 Chestnut Ridge Road Montvale, NJ 07645 (201) 391-9800

Sherman A. Drusan, President

Information Sciences, Inc. See: Fleet Financial Group Corporation

Information Services, Inc. No. 3 17th Street West Birmingham, AL 35208 (205) 786-5298 Charles Raines, President

Private Computer Services Offered: • Processing

Information Systems Development

301 E Armour Blvd Kansas City, MO 64111 (816)561-7770 C.E. Frasier, President

Information Systems Design, Inc. See: Control Data Corporation

Information Systems Inc.

34 Ronzo Road Bristol, CT 06010 (203) 589-8123 John McCormick, President Private

Computer Services Offered: • Processing

Information Systems Inc.

174 Armistice Blvd. Pawtucket, R1 02860 (401) 728-0400 Robert Halkvard, President Private Total Sales FYE 3/81: \$2,000,000 Est. Computer Services Offered: • Processing

Information Unlimited

281 Arlington Ave Berkeley, CA 94707 (415)525-9452 Bill Baker, President Private

Total Sales FYE 5/81: \$2,500,000 Est. Computer Services Offered: • Software Products

Inforonics Inc.

550 Newton Road Littleton, MA 01460 (617) 486-8976

Inforware Systems, Inc (ISI)

7330-H South Alton Way Englewood, CO 80112 (303)740-6071 Ronald Winkler, President Private Total Sales FYE 12/81: \$500,000 Est.

Computer Services Offered: • Turnkey Systems

Infoservices, Inc 1728 Montreal Circle, Ste 22 Tucker, GA 30084 (404)938-9960

Michael A Sauter, President

Private Total Sales FYE 12/81: \$2,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Infosoft Systems, Inc.

25 Sylvan Road South Westport, CT 06880 (203) 226-8937 Kenneth Short, President Private Total Sales FYE 1/80: \$250,000 Est.

Computer Services Offered: • Software Products

Infotec Development Inc.

5402 Bolsa Ave Huntington Beach, CA 92649 (714) 891-5851 Fernando Niebla, President Private Total Sales FYE 10/82; \$4,100,000

Cptr. Svcs. Revs. FYE 10/82; \$2,750,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Infotecs

See: Computone Systems Inc.

Innosys, Inc. 2150 Shattuck Ave. Berkeley, CA 94704 (415) 843-8114

Earl Crabb, President

Total Sales FYE 6/81: \$340,000 Computer Services Offered: • Software Products • Professional Services

Innova Systems Inc. 115 East 9th St. New York, NY 10003

(212) 254-8405 Donald C. Holmes, President

Innovation Data Processing, Inc.

970 Clifton Avenue Clifton, NJ 07013 (201) 777-1940 Private Total Sales FYE 6/81; \$7,000,000 Est. Computer Services Offered: . Software Products

Innovative Software Applications

1150 Chestnut Lane Menlo Park, CA 94025 (415)326-0805 Computer Services Offered: • Software Products

Innovative Software

9300 West 110th St Kansas City, KS 66210 (913)383-1089 Mark Callegari, President

Private Total Sales FYE 12/81; \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey

### Directory of Computer Services Companies

### Innovative Systems, Inc.

341 Fourth Avenue Pittsburgh, PA 15222

(412) 391-2364

Private Computer Services Offered: • Processing • Software

### Input Output Computer Services

400 Totten Pond Rd. Waltham, MA 02154

(617) 890-2299 Thomas Farrington, President

Total Sales FYE 6/81: \$12,500,000 Est. Computer Services Offered: • Professional Services

### Input Services, Inc.

See: Desa, Inc.

### Input Systems Inc.

16308 Orange Avenue Paramount, CA 90723 (213) 634-1170 Harley D. Hancock, President

Private Total Sales FYE 3/80: \$500,000 Est.

Computer Services Offered: . Processing

### Insac Software Inc.

See: Britton-Lee Inc

### Insco Systems Corporation

See: Continental Corporation

### Inslaw, Inc

1125 15th, Ste 600 Washington, DC 20005 (202) 828-8600

Computer Services Offered: • Software Products

See: O'Tech Group Inc

### Instacom, Inc

7610 Stemmons Frwy Dallas, TX 75247 (214) 631-1505 William C. Kennedy, Jr, Chairman

Total Sales FYE 12/80: \$9,448,000

Computer Services Offered: • Processing

### Instant Software, Inc.

Flm St Peterborough, NH 03458 (603) 924-9471 Wayne Green, President

Computer Services Offered: • Software Products Institute for Software Engineering (ISE)

See: Boole & Babbage Inc.

### Institute of Modern Procedures

1025 Vermont Ave, N.W. Washington, DC 20005 (202)393-6210

Computer Services Offered: • Processing • Professional

#### Insurance Data Processing Inc. See: Marsh & McLennan

#### Insurance Data Systems 201 S. Lake Suite 705

Pasadena, CA 91101 (213) 681-6746 Paul Tritt, President

Private Total Sales FYE 7/80: \$175,000 Est. Computer Services Offered: . Processing

### Insurance Information, Inc

2300 Peachford Dr. Ste 1266 Atlanta, GA 30338 (404)457-8744 Mac Purdy, President

Private

Total Sales FYE 7/81: \$1,200,000 Computer Services Offered: • Turnkey Systems

### Insurance Logistics Automated Systems

321 Third Street, S.E. Cedar Rapids, 1A 52407 (319) 365-8691

Insurance Processing Services, Inc. See: Security America Corporation Casualty Company

### Insurance Servicing & Information

Systems Corp.
451 Hungerford Dr. Ste 301
Rockville, MD 20850

(301) 251-9767 George A. Mann, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Insurance Systems Inc.

18900 Teller Ave Irvine, CA 92715 (714) 752-0875 Loren Parsons, President

Computer Services Offered: . Processing

#### Insurance Systems of America See: United Telecommunications Inc.

### Insurnet, Inc

See: Quotron Systems Inc. & Continental Corporation

Intech, Inc. 810 First St., S Suite 316 Hopkins, MN 55343 (612)933-3660

Lloyd E. Jensen, President

Total Sales FYE 11/80: \$500,000 Computer Services Offered: • Professional Services

### Integon Computer Corporation

See: Integon Corporation

### Integon Corporation

SUBSIDIARIES:

### Integon Computer Corporation

500 West 5th St.
Winston-Salem, NC 27102
(919) 725-7261
J. Bill King, President
Total Sales FYE 12/80: \$5,000,000 Est.
Computer Services Offered: • Processing

### Integral Business Computing, Inc. 25834 Narbonne Avenue

Lomita, CA 90717
(213) 539-0530
Thomas K. Moch, President
Private
Total Sales FYE 6/81: \$4,500,000
Computer Services O'ffered: • Software Products •
Professional Services • Turnkey Systems

### Integral Software Services

1104 Montgomery St.
San Francisco, CA 94133
(415) 788-1354
Paul T. Mauriello, President
Computer Services Offered: • Software Products • Professional Services

#### Integral Systems, Inc. 45 Quail Court Walnut Creek, CA 94596

Atlanta, GA 30329

(415)939-3900
David A Duffield, President
Private
Total Sales FYE 10/81: \$7,000,000
Computer Services Offered: • Software Products

#### Integrated Automation Inc. 1745 Tullie Circle, NE

(404)325-8100
Huey P. Duncan, President
Private
Total Sales FYE 12/81: \$1,500,000 Est.
Computer Services Offered: • Professional Services •
Turnkey Systems

### Integrated Business Systems, Inc.

20575 Center Ridge Rd Suite 127 Rocky River, OH 44116 (216)356-0500 Daniel Langenwalter, President

Washington, DC 20007

### Integrated Business Methods Inc. (IBMI) 2133 Wisconsin Avenue N.W.

(202) 965-5015 G.M. DuFour, President

Computer Services Offered: • Processing

### Integrated Computer Services Inc.

1 Park Avenue
New York, NY 10016
(212) 889-3386
Robert Sherman, President
Private
Computer Services Offered: • Processing

### Integrated Computer Software Inc

1 Park Ave New York, NY 10016 (212)889-3386

### Integrated Data Corporation

Merged with: Safeguard Business Systems, Inc.

### Integrated Planning

4186 Sorrento Valley Blvd.

93 Massachusetts, Ste 212 Boston, MA 02115 Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products

# Integrated Software Systems Corporation (ISSCO)

San Diego, CA 92121 (714) 452-0170 Peter Preuss, President Private Total Sales FYE 12/81: \$11,500,000 Computer Services Offered: • Software Products

### Integrated Systems Management 2515 Camino Del Rio, South Suite 344

San Diego, CA 92108 (619) 299-5581 Thomas Bilby, President Private Total Sales FYE 6/82: \$400,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Integrated Technologies, Inc. 354 W. Lancaster Ave. Suite 214

Haverford, PA 19041
(215) 649-7310
Michael D. Zisman, President
Private
Computer Services Offered: • Software Products •
Professional Services

### Integrated Time Systems

P.O. Box 61591 Sunnyvale, CA 94088 (408) 996-3822 William Tanner, President

Intel Corporation

### SUBSIDIARIES:

Intel Systems Corporation 12675 Research Blvd P.O. Box 9968

Austin, TX 78766 (512) 258-5171 Kent Ochel, President

Total Sales FYE 12/81; \$16,000,000 Est. Computer Services Offered: . Software Products . Professional Services

### Intel Systems Corporation See: Intel Corporation

Intellectron International, Inc.

6711 Valjean Ave. Van Nuys CA 91406 (213) 988-5670 William C. Clover, President

Computer Services Offered: • Processing

Intellidata, Inc. 1014 Morse Ave, Ste 15 Sunnyvale, CA 94086 (408) 732-4433

Ronald J. Carpenter, President

### Intelligence Interlink Corporation

220 East 42nd St New York, NY 10017 (212) 599-3444 W. Robert Widener, President Computer Services Offered: • Professional Services • Turnkey Systems

### Intelligent Computer Systems Inc.

### DIVISIONS:

Advcom

540 Madison Ave. New York, NY 10022 (212) 752-5600

#### Intelligent Industrial Systems Inc

1 Harmon Plaza Secaucus, NJ 07094 (201)865-6550 Computer Services Offered: • Professional Services

#### Intelligent Systems Corporation P.O. Box 348

Bedford, MA 01730 (617) 275-6642 Allan Clyde, President

Computer Services Offered: . Processing . Software Products

### Intellimac Inc

6001 Montrose Rd, 6th Fl Rockville, MD 20852 (301)984-8000

Computer Services Offered: • Software Products

### Inter Systems, Inc.

7630 Little River TRPK Annandale, VA 22003 (703) 241-0100

C. Lindsay Wang, PH.D., President

Total Sales FYE 9/80: \$4,000,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### Inter-Care

2044 Armacost Ave Los Angeles, CA 90025 (213)826-4500 Irwin Manster, President Private Total Sales FYE 7/82: \$2,400,000

Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Intera Environmental Consultants, Ltd.

400, 7015 MacLeod Trail, SW Calgary, AB T2H1X (403) 264-5112 Computer Services Offered: • Software Products • Professional Services

### Interactive Applications, Inc.

2316 Walsh Ave Suite 103 Santa Clara, CA 95051 (408)727-8161 David E. Nelson, President Private

Total Sales FYE 12/81: \$500,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

### Interactive Computer Enterprises See: C & T Management

### Interactive Computer Modelling Inc. Lakeside Plaza, Ste B 2250 Murrel Rd Lynchburg, VA 24503

(804)846-3824 Lawrence L Barinka, President

Computer Services Offered: • Software Products

### Interactive Data Corporation

See: Chase Manhattan Bank, N.A.

#### Interactive Data Services, Inc. See: Chase Manhattan Bank, N.A.

### Interactive Elements Inc.

76 Beaver St.

New York, NY 10005 (212) 425-6220 Ely Gilbert, President Total Sales FYE 2/80: \$450,000 Cptr. Svcs. Revs. FYE 2/80: \$405,000 Est. Computer Services Offered: • Professional Services •

Turnkey Systems

### Interactive Inc.

9787 Aero Dr., Suite A Suite 404 San Diego, CA 92123 (714) 560-8525

Robert C. Vernon, President Private

Total Sales FYE 9/80: \$1,600,000

Computer Services Offered: • Processing • Software

Products • Turnkey Systems

### Interactive Information Systems, Inc.

10 Knollerest Drive P.O. Box 37403 Cincinnati, OH 45237 (S13) 761-0132 Kim A. Sheridan, President Private Total Sales FYE 4/82: \$5,000,000 Est. Computer Services Offered: • Software Products

### Interactive Logic Inc.

645 Madison Ave New York, NY 10022 (212)752-4810

Computer Services Offered: • Software Products

### Interactive Management Systems, Inc.

See: CADO Systems

### Interactive Management Systems Corp. 3700 Galley Road

Colorado Springs, CO 80909
(103) 574-5050
William C. Veneris, President
Private
Total Sales FYE 12/80: \$493,700
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Interactive Market Systems, Inc.

19 W. 44th Street New York, NY 10036 (212) 869-8810 Richard Makely, President

Total Sales FYE 12/81: \$5,000,000 Est.

Computer Services Offered: • Processing • Professional
Services

### Interactive Minicomputer Systems, Inc.

303 Wyman St.
Waltham, MA 02154
(617)890-2098
Computer Services Offered: • Software Products

### Interactive Software Inc.

717 North Harwood Dallas, TX 75201 (214)651-9435 John Castleman, President Private Total Sales FYE 12/81: \$1,000,000 Est. Computer Services Offered: • Software Products

### Interactive Software Systems Inc.

PO Box 3314
Englewood, CO 80155
(303) 294-0932
Randolph J. Reece, President
Private
Total Sales FYE 7/82: \$375,000 Est.

### Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems INTERACTIVE Systems Corporation

1212 Seventh St Santa Monica, CA 90401 (23)458-936, President Private Total Sales FVE 5/82: 510,300,000 Cptr. Svex. Revs. FVE 5/82: 56,500,000 Computer Sevices Offered: - Software Products

### Interactive Technology Inc. 1225 N.W. Murray Rd. Suite 103

1225 N.W. Murray Rd. Suite 103 Portland, OR 97229 (503) 644-0111 Peter H. Mackie, President Private Total Sales FYE 12/80: \$525,000 Est. Computer Services Offered: • Software Products

### Intercomp

See: Kaneb Services, Inc.

### Intercontinental Computing, Inc.

#### Interdata

See: Perkin-Elmer Corporation

### Interfinancial Data Systems

3290 Northside Parkway Atlanta, GA 30327 (404) 261-9026 George C. McKinney, Director Private

### Intergraph Corporation

1 Madison Industrial Park PO Box 5183 Huntsville, AL 35805 (205)772-2000 James W. Meadlock, President Private Total Sales FYE 12/81: 591,100,000 Computer Services Offered: • Turnkey Systems

#### Intermark Systems, Inc.

6060 N. Central Expressway Suite 262
Dallas, TX 75206
(214) 750-8335
Ronald Fouder, President
Private
Computer Services Offered: • Software Products •
Professional Services

### Intermethods

2695 Le Conte Berkeley, CA 94709

### Intermetrics, Inc.

733 Concord Ave Cambridge, MA 02138 (617) 661-1840

John Miller, President Public

Total Sales FYE 2/82: \$24,254,000

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Intermountain Health Care, Inc.

36 S State St, Salt Lake City, UT 84111 (801) 533-8202

Computer Services Offered: • Turnkey Systems

### International Business Computing

Corporation 601 West Oakland Park Blvd. Fort Lauderdale, FL 33311

(305) 563-5941 J.M. Carlson, President Private

### International Business Machines

Armonk, NY 10504 (914) 765-1900 Frank T. Cary, Chairman & CEO

Total Sales FYE 12/81: \$29,070,000,000
Cptr. Svcs. Revs. FYE 12/81: \$2,085,000,000 Est.
Computer Services Offered: • Processing • Software Products • Professional Services

### International Business Services Inc.

1090 Vermont Ave. N.W Washington, DC 20005 (202) 789-5200 Marion O. Greene, President

Total Sales FYE 9/82: \$12,000,000
Cptr. Sves. Revs. FYE 9/82: \$10,000,000
Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### International Computaprint Corporation See: Reed Holdings

International Computer Sciences, Inc. 46 Park Rd. Tinton Falls, NJ 07724

(201) 531-9200 W.W. Smith, President

### International Computer Technology (ICT) Corporation

17 Hill St Mill Valley, CA 94941 (415) 788-5277 Howard Bromberg, President

Total Sales FYE 12/80; \$1,650,000 Est. Computer Services Offered: . Software Products . Turnkey

### International Computer Resources

411 West Putnam Ave Greenwich, CT 06830 (203) 622-1211 Roger Rhee, President

### International Computer Systems

215 E. Waterloo Rd. Akron, OH 44319 (216) 773-9127 Arthur Williams, President Total Sales FYE 7/81: \$608,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

ICL, Inc.

One Turnpike Plaza 197 Highway 18 East Brunswick, NJ 08816 (201) 246-3400 R.A. Bright, President

### International Computing Company

Acquired and merged with Continental Telecom (ConTel Information Systems

### International Computing Systems, Inc.

1850 N Greenville, Ste 100 Dallas, TX 75081 (214)699-1384 Computer Services Offered: • Processing • Software Products

### International Computing System

PO Box 343 Hopkins, MN 55343 (612)933-3933 Richard A Olsen, President Computer Services Offered: . Processing

#### International Data Base Systems, Inc. (IDBS)

See: United Telecommunications Inc.

### International Data Services, Inc.

1020 Stewart Drive Sunnyvale, CA 94086 (408) 738-3368

### International Data Systems 4141 N. Miami Avenue

Miami, FL 33127 (305) 576-1950 Donald Gache, President Private

Computer Services Offered: . Software Products . Turnkey Systems

### International Environment Research, Inc.

1916 Old Middlefield Wy Mountain View, CA 94043 (415)968-2685 Ed Blue, President Private

Total Sales FYE 12/80: \$400,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

International Graphics

See: Moore Business Forms

### International Management Systems Corporation

4676 Admiralty Way Marina Del Rey, CA 90291

(213) 822-2022 Jerry Plier, President Private

Computer Services Offered: • Software Products • Professional Services

### International Market Resources Services

38 Garden Rd. Wellesley, MA 02181 (617) 235-8830

Michael W. Rohrbach, President

Computer Services Offered: • Software Products • Turnkey

### International Mathematical & Statistical

Libraries, Inc.

7500 Bellaire Blvd. Sixth Floor Houston, TX 77036 (713) 772-1927 Walton C. Gregory, PH.D., President

Computer Services Offered: • Software Products

### International Medical Statistics

#### SUBSIDIARIES:

Pharmacon

2301 Avenue J 2301 Avenue J Arlington, TX 76011 (817) 469-2411 John F. Watters, President Total Sales FYE 12/81: \$9,437,000 Computer Services Offered: • Processing • Turnkey Systems

### International Micro Systems Inc.

6445 Metcalf Shawnee Mission, KS 66202 (913) 677-1137

William N. Watson, President Total Sales FYE 8/81: \$600,000 Computer Services Offered: • Software Products • Turnkey

### International Programming Labs

102 Waterman St Providence, RI 02906 (401) 272-6555 Computer Services Offered: • Software Products

#### International Systems, Inc. See: AGS Computers Inc.

### International Telecontrol Corporation

P.O. Box 95 Edgemont, PA 19028 (215) 353-3232 William Fary, President

Computer Services Offered: • Software Products • Professional Services

### International Telephone and Telegraph

### Interpac Software International

### SUBSIDIARIES:

Interpac Software, Inc.

1830 Lincoln Blvd, Ste 101 Suite 110 Santa Monica, CA 90404 (213)450-7221 Rolf Kessel, President

Private Computer Services Offered: • Software Products

### Interpac Software, Inc.

See: Internac Software International

#### Interpretive Data Systems See: Interpretive Data Systems Inc.

### Interpretive Data Systems 1500 Shellburne Road

So Burlington, VT 05401 (802)862-1022

Richard E Tarrant, President Total Sales FYE 6/82: \$2,000,000 Est. Computer Services Offered: • Processing • Professional

### SUBSIDIARIES:

Services

### Interpretive Data Systems

882 Commonwealth Avenue Boston, MA 02215 (617) 566-6800

Computer Services Offered: • Processing • Professional Services

### Interprocess Systems, Inc.

6065 NE Roswell Rd, Ste 608 Atlanta, GA 30328 (404)257-1110

### Interscience Inc.

### SUBSIDIARIES:

### Datalogics Inc.

11001 Cedar Avenue Cleveland, OH 44106 (216) 229-1300 Benson P. Lee, President

#### Interstar Corporation 14722 Oxnard St

Van Nuvs, CA 91401 (714) 645-7975 Computer Services Offered: • Software Products •

Professional Services

### Interstate Business Services

See: Lumberman's Mutual Insurance

### Directory of Computer Services Companies

### Interstate Computing & Software

Corporation

100 West Ave. Beaver Hill N. Building

Jenkintown, PA 19046 (215) 887-7338

John Christiansen, President

Private

Total Sales FYE 4/80: \$400,000

Computer Services Offered: • Professional Services • Turnkey Systems

### Interstate Computing Inc.

3225 Danny Parkway New Orleans, LA 70002

(504) 455-7711 Daniel A. Ellis, President

Public

Total Sales FYE 1/80: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Intersystems Software Inc.

42 Manors Dr. Jericho, NY 11753

(201) 871-4085

J. Moskowitz, President

Computer Services Offered: . Software Products . Professional Services

### INTERTEC

2625 Park Boulevard Palo Alto, CA 94306 (415) 326-8900

Frank Grice, President

Computer Services Offered: • Processing • Software Products

### Intertel Inc

6 Shattuck Rd

Andover, MA 01810 (617)618-0600

Computer Services Offered: • Software Products • Turnkey Systems

### Intimate Services

P.O. Box 430 Chapel Hill, NC 27514 (919) 929-0413

W.H. Kuralt, President

Total Sales FYE 3/80: \$300,000 Est. Computer Services Offered: • Software Products

### Introdata

990 Bay Street Mountain View, CA 94040 (415)969-2845

Computer Services Offered: • Processing

### Investment Computer Services Inc

1129 Francis Pl St Louis, MO 63117 (314)721-0635

Computer Services Offered: • Processing • Software

### ISIS Systems, Inc.

50 Church St Cambridge, MA 02138 (617) 354-6900

Arnold Amstutz, President Private

Total Sales FYE 4/80: \$1,500,000 Est.

Computer Services Offered: • Professional Services

### ISSC0

See: Integrated Software Systems Corporation

#### Ithaca Intersystems Inc. 1650 Hanshaw Road

Ithaca, NY 14850 (607) 257-0190

### J.M.S. and Associates 22180 West Nine Mile Road

Southfield, MI 48075 (313) 353-4860 Joseph M. Salvia, President

Private Computer Services Offered: • Processing

### JCI Data Processing Inc.

Suburban Station Building 1617 JFK Blvd. #1620 Philadelphia, PA 19103 (215) 972-7650

Victor L. Johnson, President

Private Total Sales FYE 12/80: \$3,600,000 Est. Computer Services Offered: 

Processing

### JEM Associates

459 Carlisle Dr Herndon, VA 22070

(703)471-9550 Computer Services Offered: • Software Products

JES, Inc. 431 Isum, Ste 206 San Antonio, TX 78216 (512) 690-1458

Joseph Smith, President

Computer Services Offered: • Professional Services

### JHL Services

1216 Twin Springs Dr Brentwood, TN 37027 (615)794-8847 Jim Holloman, President

### JL Consulting Services, Inc

Overland Park, KS 66210 (913)648-8210

Computer Services Offered: . Software Products

### JMI Software Consultants Inc. See: Joffe Marketing International (JMI)

JMP Associates 311 Maple Ave. W Suite G Vienna, VA 22180 (703) 281-7020

### JRB Associates, Inc.

See: Science Applications International Corporation

# JSK Consultants

147-46 Village Rd. New York, NY 11435

(212) 380-2887

Computer Services Offered: • Software Products

### Jackson Seismic Processing Inc

134 East Amite St Jackson, MS 39201 (601)354-1371 Earl E Chumley, Jr, President Computer Services Offered: • Processing

Jacobsen & Associates

10229 Lower Azusa Rd. Temple City, CA 91780

(213) 575-7504 Kenneth R. Jacobsen, President

Private

Total Sales FYE 10/81: \$2,500,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Jacoby & Co., Inc.

Gwynedd Plaza Bethlehem Pike Springhouse, PA 19477 (215) 638-8880

### Jacquard Systems

See: AM International, Inc.

### Jason Data Services

24871 Pylos Way Mission Viejo, CA 92691 (714) 770-7789 Jay Hanson, President

Private

Computer Services Offered: 

Software Products

### Javanel Computer Services

1054 Clifton Åvenue Clifton, NJ 07015 (201) 474-2545 Leonard Zawalski, President

Private
Total Sales FYE 3/80: \$350,000 Est.

Total Sales FYE 3/80: \$350,000 Est.

Computer Services Offered: • Processing • Professional Services

### Jefferson Financial Systems, Inc.

5245 W. Lawrence Avenue Chicago, 1L 60630 (312) 777-8600

### Jini Micro-Systems, Inc

PO Box 274 Kingsbridge Stn Riverdale, NY 10463 (212) 796-6200

Computer Services Offered: • Software Products

### Jobnet, Inc

10 DeAngelo Dr Bedford, MA 01730 (617) 275-3010 Private

Computer Services Offered: • Processing

### Joffe Marketing International (JMI)

### SUBSIDIARIES:

### JMI Software Consultants Inc.

1422 Easton Rd Roslyn, PA 19001 (215) 657-5660 John E. Brennan, President

Private

Computer Services Offered: 
Software Products

### John Hancock Mutual Insurance

#### SUBSIDIARIES:

### Hancock-Dikewood Services Inc.

1009 Bradbury Drive Southeast
Albuquerque, NM 87106
(505) 243-9781
Valter D. Wood, PH.D., President
Total Sales FYE 12/80: \$3,000,000 Est.
Computer Services Offered: Processing • Software
Products » Professional Services • Turkey Systems

### Johnson Computing Inc.

See: Provident National Bank

### Johnson Systems Inc.

8300 Greensboro Dr McLean, VA 22102 (703) 821-1700 Stephen J. Johnson, President

Private
Total Sales FYE 1/81: \$6,400,000
Computer Services Offered: • Software Products

### Johnston Brown & Associates Inc (JBA,

1465 Enea Circle, Building E Concord, CA 94520

(415) 827-4440 Computer Services Offered: • Software Products

### Jones/Hosplex Systems, Inc

2 Park Ave New York, NY 10016 (212)725-5818 Thomas O Jones, President Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

W 8 M Commenter Sentence Inc

#### K & H Computer Systems, Inc. P.O. Box 4 92 Woodport Road

Sparta, NJ 07871 (201) 729-6142 John Harvey, President

Private

Computer Services Offered: 

Software Products

Professional Services

### K & R Custom Software Inc

97 Main St,Ste 101 Newport News, VA 23601 (804)595-5400 Thomas H Rees, President Computer Services Offered: • Software Products

### K & S Data Services, Inc.

3535 S. Broadway Los Angeles, CA 90007 (213)232-0455 William E Kavan, President Computer Services Offered: • Processing

### **KBM**

2777 Summer St Stamford, CT 06905 (203)348-2392 David Webber, President Total Sales FYE 7/82: \$4,000,000 Computer Services Offered: • Processing

### KDB Systems, Inc.

6303 S Rural Rd Tempe, AZ 85283 (602)838-3030 Kendall Johnson, President

Computer Services Offered: • Processing

#### **KDK** Enterprises, Inc. 1491 Chain Bridge Rd, Ste 302

McLean, VA 22101 (804) 893-7883 Computer Services Offered: • Software Products

### KGA Engineering Inc

655 W Irving Park Rd Chicago, IL 60611 (312) 477-8181

Computer Services Offered: . Software Products

### KMS Industries

SUBSIDIARIES:

### Walden Management Services

3941 Research Park Dr. Ann Arbor, M1 48106 (313) 769-1100 R.A. Olsen, President

### Private K-Squared Systems

1101 State Rd. Princeton, NJ 08540 (609) 924-2500 H.R. Kane, President Private Total Sales FYE 8/80: \$2,000,000 Computer Services Offered: • Software Products • Turnkey Systems

### Kaiser, M.A. & Associates

15 Spinning Wheel Hinsdale, IL 60521 (312)789-3390 Michael Kaiser, President Total Sales FYE 12/80: \$100,000 Est. Computer Services Offered: • Processing • Software

### Kaman Corporation

SUBSIDIARIES:

### Kaman Sciences Corporation 1500 Garden of the God

Colorado Springs, CO 80907 (303) 599-1500 Albert Bridges, Ph.D., President

### Kaman Sciences Corporation

See: Kaman Corporation

### Kanawha Valley Data Control, Inc. See: Ohio Valley Data Control, Inc.

Kaneb Services, Inc.

SUBSIDIARIES:

#### Intercomp

14141 South West Freeway Sugarland, TX 77478 (713)491-6400 R C McCulluch, President Total Sales FYE 12/81: \$29,000,000 Computer Services Offered: • Software Products • Professional Services

### Kansas City Southern Corp.

SUBSIDIARIES:

DST, Inc. 310 N. 11th St. Kansas City, MO 64105 (816) 474-8520 Thomas A. McDonnell, President Total Sales FYE 12/81: \$20,000,000 Computer Services Offered: • Processing

### Kappa Systems Inc. 1501 Wilson Blvd

Arlington, VA 22209 (703) 524-0900 William R. Oakes, Jr., President

Computer Services Offered: . Processing . Software Products • Professional Services

#### Kasler Computer Services Division See: Kasler Corporation

Kasler Corporation

**— 130 —** 

### DIVISIONS:

### Kasler Computer Services Division

27400 E. 5th Street, Box 387 San Bernardino, CA 92402 (714) 884-4811 Robert A. Isakson, Manager

### Kates Komputers

PO Box 1675 Sausalito, CA 94965 (415)332-9434 Dan Brindle, Partner

Dan Brindle, Partner Computer Services Offered: • Software Products

### Keane, Inc. 210 Commercial Street

Boston, MA 02109 (617) 742-5210 John F. Keane, President Public

Total Sales FYE 12/81: \$16,398,000 Computer Services Offered: • Professional Services

### Kearney, A T 222 S Riverside Plaza

222 S Riverside Plaza
Chicago, 11. 60606
(312)648-0111
Fred Steingraber, Chief Operating Officer
Private
Computer Services Offered: 
Professional Services

### Kearns and Company

39 Montgomery Road P.O. Box 96 Montgomery, IL 60538 (312) 896-9791 Robert J. Kearns, Owner Private Total Sales FYE 12/81: \$1,200,000 Est. Computer Services Offered: • Processing

### Kebert Corporation 5050 Quorom, Ste 348

5050 Quorom, Ste Dallas, TX 75240 (214)233-8356

Private

Computer Services Offered: • Processing • Software

Products

### Kemp Furniture Industries, Inc.

#### SUBSIDIARIES:

Wayne Computer Center Inc.

622 South George St PO Box 2087 Goldsboro, NC 27530 (919) 735-0789 Anthony W. Parker, President Total Sales FYE 12/81: \$2,000,000 Computer Services Offered: • Processing • Turnkey Systems

# Kennedy & Coe See: Kennedy and Coe Certified Public Accountants

### Kennedy and Coe Certified Public Accountants

#### DIVISIONS:

Kennedy & Coe
Box 1179 United Building
Salina, KS 67401
(913) 825-1561
R. Michael Beatty, Partner
Total Sales FYE 9781: \$1,500,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

### Kentron International Inc.

See: LTV Corporation

### Ketabular Processing Company See: Scientific Computers Inc.

# Key Data Services Inc. See: Datalift Corporation

### Key Entry Inc.

See: Capitol Bancorporation

### Key Financial Systems Inc.

P O Box 625 Number 44, Route 46 Upper Montelair, NJ 07058 (201)227-8800 James R. Sharkley, Jr., President

Private

Computer Services Offered: • Professional Services • Turnkey Systems

### Key Management Inc. 5201 Eden Cir., Ste 200 Minneapolis, MN 55436

Minneapolis, MN 55436 (612)920-3781 John Smith, President Private

Computer Services Offered: • Professional Services

### Key Systems Inc.

16 Ocean East Marathon, FL 33050 (305) 743-5890 Richard T. Lilly, President

### Key-Data Associates, Inc.

See: National Business Systems, Inc.

### **Key-Matic Corporation**

1961 Morris Ave. Union, NJ 07083 (201) 964-0393 Thomas Scalea, President Private

Computer Services Offered: • Processing

# Keydata Corporation

#### 108 Water Street Watertown, MA 02172 (617)924-1200

William H McMorrow, President Public Total Sales FYE 7/81: \$11,839,000 Computer Services Offered: • Processing

### Directory of Computer Services Companies

### Kevdata Systems Inc.

3715 Rhode Island Ave Brentwood, MD 20722

(301)699-8466

Computer Services Offered: . Processing . Software Products

### Keypunch & Systems Support, Inc.

39 North Broadway Tarrytown, NY 10591 (914) 631-1757

Robert Denzau, President

Total Sales FYE 12/81: \$3,000,000 Computer Services Offered: • Processing

### Keystone Computer Associates Inc.

1055 Virginia Drive Fort Washington, PA 19034 (215) 634-3800

Leon E. Ellerson, President

Total Sales FYE 5/82: \$4,000,000

Computer Services Offered: . Software Products . Professional Services

### Keyvest

215 St. Paul St., Stc. 205 Denver, CO 80206 (303) 534-8400

Bill Hinkle, President Private

Total Sales FYE 7/80: \$220,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

### Kidd International Data Processing

3180 Bladensburg Rd., N.E. Washington, DC 20018 (202) 269-6250

Computer Services Offered: • Processing

### Kimbrough Computer Sales, Inc.

4725 Independence St. Denver, CO 80033 (303)425-0663 Fred Hughes, President

Private Total Sales FYE 6/81: \$1,500,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

### Kipps Data Processing Inc.

53 Broad St. Plattsburgh, NY 12901 (518) 561-2380 Carol A. Kipp, President

### Kirby Computer Systems

314 Rt 22 Greenbrook, NJ 08812 (201) 469-6000 Robert M. Kirby, President

Computer Services Offered: . Software Products . Turnkey Systems

### Kirchman Corporation

711 Semoran Blvd. Altamonte Springs, FL 32701 (305) 831-3001

Kenneth P. Kirchman, President

Total Sales FYE 3/81: \$35,000,000 Computer Services Offered: 
Processing Software
Products Professional Services Turnkey Systems

#### SUBSIDIARIES:

### Florida Software Services

P.O. Box 2269 Orlando, FL 32802 (305) 831-3001

### Omni Resources, Inc

711 E Altamonte Dr PO Box 1233 Altamonte Springs, FL 32701 (305)830-1300 Harold J Brewer, President

Computer Services Offered: • Software Products

Kitzmiller Systems
252 S. Oxford Avenue
Los Angeles, CA 90004
(213) 385-9388
James Kitzmiller, President

Computer Services Offered: • Professional Services

Klaassen & Associates 1001 Howard Avenue New Orleans, LA 70113

(504) 524-6779 Computer Services Offered: • Software Products

KMega Technology 1080 E. Duane Ave. Suite F Sunnyvale, CA 94086 (408) 730-9200 Keiji Muranaga, President

### Knuth Computer Services Inc

4 Walnut Place Hubbard, OH 44425 (216)534-1481 Joann K Knuth, President

Private Total Sales FYE 7/82: \$250,000 Est. Computer Services Offered: . Software Products . Professional Services

Kolons, A.J. & Associates P.O. Box 12581 St. Louis, MO 63141 (314) 576-7900 A.J. Kolons, President Private

### Kor Data Systems Inc.

290 N. Street, N.W. Grand Rapids, MI 49504 (616) 363-7707 John Highill, President

Computer Services Offered: • Processing

### Korvettes

### SUBSIDIARIES:

### Datamor

132 West 31st Street
New York, NY 10001
(212) 564-3030
Morton Weitz, President
Private
Total Sales FYE 1/80: \$5,000,000 Est.
Computer Services Offered: • Processing • Professional

### Kranzley & Co., Inc.

# Krell Software Corp

Stoney Brook, NY 11790 (516)751-5139 Computer Services Offered: • Software Products

### Krohm International, Ltd

550 Stevenson Hwy Troy, M1 48084 (313)588-3011 Gary Krohm, President

Private
Total Sales FYE 5/81: \$400,000 Est.

Computer Services Offered: • Software Products

### Krown Computing See: Krown Enterprises

### Krown Enterprises

#### DIVISIONS:

Krown Computing
1282 Conference Dr PO Box 66763
Scotts Valley, CA 95066
(408)335-3133
Computer Services Offered: • Software Products

# L.D.M. Inc. 379 Second St., S. Covina, CA 91720 (213)967-1506 Rick Brutocao, President Total Sales FYE 2/81: \$5,000,000 Cptr. Sves. Revs. FYE 2/81: \$4,000,000 Computer Services Offered: \*\* Processing \*\* Software Computer Services Offered: \*\* Processing \*\* Software

# Products • Professional Services LCS Data Processing Inc.

420 Oakmead Parkway Sunnyvale, CA 94086 (408) 738-2900 Raymond E. Zazzi, President Private Total Sales FYE 12/81: \$2,800,000 Est. Computer Services Offered: • Processing

# LHJ Systems, Inc.

Rockville Centre, NY 11570 (516) 764-5953 Gerald Erlich, President Private

### SUBSIDIARIES:

### Advanced Medical Systems

30 Hemstead Ave. Rockville Centre, NY 11570 (516) 764-5953 Gerold Ehrlich, President Private

Computer Services Offered: • Processing • Turnkey Systems

#### LNK Corporation 4321 Hartwick Road

College Park, MD 20740
(301) 927-3223
Laveen Kanal, President
Private
Computer Services Offered: • Software Products •
Professional Services

# LTI Consulting Services Inc. See: General Electric Company

### LTV Corporation

### SUBSIDIARIES:

### Kentron International Inc.

2345 West Mockingbird Lane
Dallas, TX 75235
(214) 350-3511
Lincoln Brown, President
Total Sales FYE 1/81: \$100,000,000
Cptr. Sws. Rews. FYE 1/81: \$4,300,000
Computer Services Offered: \*\* Processing \*\* Software
Products \*\* Professional Services\*\*

#### Labvrinth Systems, Ltd.

11 Grace Ave Great Neck, NY 11021 (516) 487-7766

### Laidlaw, Richard E Inc

Trumbull, CT 06611 (203)378-2099 Richard E Laidlaw, President Computer Services Offered: • Software Products

# Lakeland Computing Service Inc.

Fontana, W1 53125 (414) 275-6871 Jennifer Forbeck, President Private Total Sales FYE 3/80: \$200,000 Est. Computer Services Offered: • Processing

# Lambda Technology Inc. Name Changed To: LTI Consulting Services Inc.

Lambros, Peter & Associates

124 Thelma Dr San Antonio, TX 78212 (512) 826-7006 Private Computer Services Offered: • Professional Services

### Directory of Computer Services Companies

### Lamda Systems Inc.

PO Box 113 Waterville, KS 66548 (913)785-2606

Computer Services Offered: • Processing • Software

LAN Systems, Inc. 2499 Rice Street Suite 240 St. Paul, MN 55113 (612) 483-5221

Thomas L. Dietsche, President

Total Sales FYE 12/81: \$700,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Lanco Data Processing Services Inc.

203 Little Canada Road St. Paul. MN 55117 (612) 483-6711 Rod Langum, President

Private

Computer Services Offered: . Processing

### Landart Systems, Inc.

See: C M & M Group Inc

### Langenbacher Data Stystems

5100 Oakland St. Louis, MO 63110 (314)531-7455 William B. Langenbacher, President

### Langston Kitch & Associates

125 E. 2nd St. Wichita, KS 67202 (316) 264-9185

Bob Langston, President

Computer Services Offered: . Processing . Software Products . Professional Services

# Language & Systems Development Inc. 3121 Powder Mill Rd. Adelphi, MD 20783 (301) 587-0050

Alfred Beam, President

Computer Services Offered: • Software Products • Professional Services

### Language Processors, Inc.

254 Tapelo Road Belmont, MA 02178 (617) 484-4744

Michael Schwartzman, President

Computer Services Offered: . Software Products

### Language Resources 4885 Riverbend Rd

Boulder, CO 80301 (303)449-8087 Bruce Rauenel, President Private

### Lantor Information Systems

See: Lantor, Inc.

### Lantor, Inc

8055 Manchester Ave. Playa Del Rey, CA 90291

### SUBSIDIARIES:

### Lantor Information Systems

8055 Manchester Ave Plava Del Rev CA 90291 Computer Services Offered: • Software Products

### LARC Computing, Inc.

339 S. San Antonio Rd. Los Altos, CA 94022 (415)941-9310

Computer Services Offered: • Processing • Software Products . Professional Services

### Lark, D.W. Ltd.

1306 Janina Blvd. Burlington, ON L7P1K (416) 634-2904 Dana Lark, President

Computer Services Offered: • Software Products

### Latham Computer Center Inc.

16 Maple Street Latham, NY 12110 (518) 785-3333 Pat Trapasso, President

Private Total Sales FYE 6/80: \$1,000,000 Est. Cptr. Svcs. Revs. FYE 6/80: \$750,000 Est. Computer Services Offered: . Processing . Software

### Lavan Systems Inc

Products

11 Hanover Square New York, NY 10005 (212)344-0202

Computer Services Offered: • Software Products

### Lawgosser Brothers, Inc.

### SUBSIDIARIES:

### Data Consultants Inc.

1724 Lyter Drive Johnstown, PA 15905 (814) 255-4137 Frederick B. Mickel, President Private

Total Sales FYE 1/80: \$1,100,000

Computer Services Offered: • Processing • Software Products

#### Lawn Data Corporation P.O. Box 42615

Chicago, 1L 60642 (312) 597-2626 Glen Hayes, Vice President

Private Computer Services Offered: • Processing

### Lawson Associates

2021 Hennepen Ave, E Minneapolis, MN 55413 (612)379-2633 Richard Lawson, President

Total Sales FYE 7/80: \$3,500,000 Est. Computer Services Offered: • Software Products • Professional Services

### SUBSIDIARIES:

### Manufacturing and Systems Programming

2021 Hennepen Ave, E. Minneapolis, MN 55413

(612)379-2633 Computer Services Offered: • Software Products

### Northwest Keypunch 2021 Hennepen Ave, E. Minneapolis, MN 55413

(612)379-2633

Computer Services Offered: • Processing

### Learmonth & Burchett Management Systems Inc (LBMS)

601 Jefferson, Ste 320 Houston, TX 77002 (713) 759-1842

Computer Services Offered: • Professional Services

### Leasing Consultants

15 Furler St. Totowa, NJ 07512 (201)785-9494 William Ward, Sr. Vice President
Total Sales FYE 7/81: \$850,000 Est.
Computer Services Offered: • Software Products

### Legal Accounting & Management

Systems

1830 West Olympic Blvd. Los Angeles, CA 90062 (213) 487-6670 Jerry Bilinsky, President Private

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### Legal Data Systems

140 Federal St Boston, MA 02110 (617) 426-1040 Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: 

Processing 

Software

#### Legler Systems Company 23 Charles Hill Road

Orinda, CA 94563 (415) 254-1264 William S. Legler, President

### Letterex Communications Inc.

11 Summit Ave Elmwood Park, NJ 07407 (201)791-3007

### Level IV Products, Inc. 32238 Schoolcraft Rd. Suite F4

Livonia, M1 48154 (313) 525-6200 Victor Andrews, President Private Total Sales FYE 6/80: \$400,000 Est.

Cptr. Svcs. Revs. FYE 6/80: \$175,000 Est. Computer Services Offered: • Software Products

### Levis, J. Preston Regional Computer

25875 Dixie Hwy

Perrysburg, OH 43551 (419) 874-4315 John Esbin, Executive Director Computer Services Offered: • Processing • Professional Services

### Libra Group 1300 Piccard Dr

Rockville, MD 20850 (301) 258-9200 Stewart Gold, President Private

#### SUBSIDIARIES:

### Libra Technology Group 1300 Picard Drive

Rockville, MD 20850 (301)258-9200 Total Sales FYE 10/81; \$6,000,000 Cptr. Svcs. Revs. FYE 10/81: \$5,700,000 Computer Services Offered: • Professional Services • Turnkey Systems

# Libra Programming, Inc. 1954 East 7000 South Suite 301 Salt Lake City, UT 84121

(801)943-2084 William Maasberg, President

Computer Services Offered: • Software Products

#### Libra Technology Group See: Libra Group

### Lifeboat Associates Inc.

1651 Third Avenue New York, NY 10028 (212) 860-0300 Tony Gold, President

Private Total Sales FYE 12/81: \$13,000,000 Computer Services Offered: • Software Products

# Lime Trea Computer Systems, Inc. One Pennsylvania Plaza New York, NY 10001

(212) 594-6172

### Lincoln Data Systems Inc.

Park Ave. at Route 73 Mapleshade, NJ 08052 (609) 667-9344 William Mattison, President Private

### Directory of Computer Services Companies

### Lincoln Land Software Systems, Inc.

P.O. Box 2457 Springfield, IL 62705 (217) 522-1747

#### Link Systems 1640 19th St

Santa Monica, CA 90405 (213)453-1851 Hindy K Tolwin, President Total Sales FYE 7/82: \$750,000 Est. Computer Services Offered: • Software Products

### Linton, Shafer & Co.

6 West Second St Frederick, MD 21701 (301) 663-5122 Donald C. Litton, Managing Partner

Total Sales FYE 6/82: \$300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Liocs Corporation 2100 Clearwater Drive

Oakbrook, IL 60521 (312) 887-0420 Michael B. Andelman, President

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

### List Processing Company, Inc.

329 Interstate Rd Addison, IL 60101 (312) 543-0100 Private

Computer Services Offered: • Processing • Software Products

### Listmark Computer Systems Inc.

105 Oak Street Norwood, NJ 07648 (201) 767-1730 Howard J. Brook, President

Computer Services Offered: • Processing

#### Little, Arthur D., Inc.

Acorn Park Cambridge, MA 02140 (617) 864-5770 John F. Magee, President Total Sales FYE 12/81; \$175,600,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$37,000,000 Computer Services Offered: • Professional Services

#### SUBSIDIARIES:

### Delphi Associates, Inc.

169 Merrimack St. Lowell, MA 01852 (617)458-3900 R. Trombly, President

Little, Arthur D., Systems, Inc.
17 New England Executive Park Building 17
Burlington, MA 01803 (617) 272-3400 Howard Morrison, President Computer Services Offered: • Professional Services • Turnkey Systems

# Little, Arthur D., Systems, Inc. See: Little, Arthur D., Inc.

### Litton Computer Services See: Litton Industries, Inc.

# Litton Industries, Inc. 360 N Crescent Dr

Beverly Hills CA 90210 (213)273-7860 Cptr. Svcs. Revs. FYE 7/81: \$150,000,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### SUBSIDIARIES:

### Litton Computer Services

1831 Michael Faraday Drive Reston, VA 22090 (703) 471-9200 James Sperger, General Manager Computer Services Offered: • Processing

### Litton-Mellonics

1001 West Maude Avenue Sunnyvale, CA 94086 (408) 245-0795 Richard W. Baker, President Computer Services Offered: • Processing • Professional Services

### DIVISIONS

### Mellonics Information Center

6701 Variel Avenue Canoga Park, CA 91303 (213) 887-5100 John F. Soderer, Vice President

### Western Geophysical Company of America

10001 Richmond Ave Houston, TX 77042 (713)789-9600 Computer Services Offered: • Processing

### Litton-Mellonics

See: Litton Industries, Inc.

### Lockheed Aircraft Corporation

#### SUBSIDIARIES:

# Dialog Information Services, Inc. 3460 Hillview Ave Palo Alto, CA 94304

(415)858-3777 Roger K. Summit, President
Total Sales FYE 12/81: \$21,000,000 Est.
Computer Services Offered: • Processing

#### Lockheed DataPlan Inc

121A Albright Way
Los Gatos, CA 95030
(408)866-7613
Computer Services Offered: • Processing

#### Lockheed DataPlan Inc

See: Lockheed Aircraft Corporation

#### Lockwood Association Inc, The

PO Box 17326
San Antonio, TX 78217
(512)824-1439
Louis J Lockwood, President
Total Sales FYE 3/82: \$950,000
Computer Services Offered: • Software Products •
Professional Services

#### Logi-cal Computing Inc.

930 S. La Brea, 2nd Fl. Los Angeles, CA 90036 (213) 208-7744 Douglas Choy, President Private

Computer Services Offered: • Processing • Software Products

#### Logic Extension Resources 9581 Business Center Dr, Ste J

Rancho Cucamonga, CA 91730 (714) 980-0046 Computer Services Offered: • Software Products

#### Logic Inc.

2720 Stemmons South Ste 1100
Dallas, TX 75207
(214) 630-6131
David B. Dibrell, President
Private
Total Sales FYE 11/81: \$2,120,000
Computer Services Offered: ◆ Processing ◆ Software

#### Logica Inc

666 Third Ave New York, NY 10017 (212)599-0828

Products • Professional Services

Computer Services Offered: • Software Products

#### Logical Design Corp. 27777 Franklin Rd. Suite 300

Southfield, MI 48034 (313) 354-9557 Gerald Mostowy, President Private Total Sales FYE 1/82: \$1,500,000 Est. Computer Services Offered: • Software Products

#### Logical Software Inc 1218 Massachusetts Ave

Cambridge, MA 02138 (617)864-0137 Computer Services Offered: • Software Products

#### Logical Systems Corp.

P.O. Box 2676

La Jolla, CA 92038
(714) 455-5211

James Fried, President

Private

Computer Services Offered: • Software Products •

Professional Services

#### Logicon Inc. 3701 Skypark Dr

Torrance, CA 90505
(213)373-020
John R. Woodhull, President
Public
Total Sales FYE 3/82: \$61,972,000
Cytr. Svs. Revs. FYE 3/82: \$50,000,000 Est.
Computer Services Offered: • Professional Services • Turnkey System

#### SUBSIDIARIES:

#### Operating Systems, Inc. 21031 Ventura Blvd.

21031 Ventura Blvd.
Woodland Hills, CA 91364
(213) 887-4950
Hugh E. Beatty, General Manager
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Logistics Concept Inc.

113 Willowbrook Lewisville, TX 75067 (214)436-4827 Computer Services Offered: • Turnkey Systems

#### Logistics Systems 990 Washington St

Dedham, MA 02026 (617)329-7900 Donald R Shapiro, President Private Computer Services Offered: • Software Products

#### Logo

Z Lowe Ave Middletown, NY 10940 (914)343-0656 Bernard Scott, President Public Total Sales FYE 7/81: \$3,000,000 Est. Computer Services Offered: • Software Products

#### Lone Star Software Inc

507 E North Belt, Ste 540 Houston, TX 77060 (713)448-1256 Computer Services Offered: • Software Products

#### Lorber, Raymond G., Inc. 333 Market St. Suite 2840

333 Market St. Suite 2840 San Francisco, CA 94105 (415) 434-2607 Raymond G. Lorber, President Private Total Sales FYE 7/80: \$600,000 E

Total Sales FYE 7/80: \$600,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Directory of Computer Services Companies

#### Loris Data Associates Inc

401 Broadway New York, NY 10013 (212) 431-9586 Adam Gragnani, President

Computer Services Offered: • Software Products

#### Loud Consulting Corp

666 Old Country Road Garden City, NY 11530 (516) 794-9200 Douglas Loud, President Private

Total Sales FYE 7/82: \$255,000 Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Louisiana Companies

801 North Blvd. Baton Rouge, LA 70821 (504) 383-4761 Frank J. Clesi, President

Total Sales FYE 12/80: \$8,227,795 Cptr. Svcs. Revs. FYE 12/80: \$652,552

Computer Services Offered: • Processing • Software Products

#### Louisiana Computing Corporation

3444 Olympic Metairie, LA 70003 (504) 455-5500 Private

#### Louisville Tabulating Service Bureau

3 Riverfront Plaza Louisville, KY 40202 (502) 582-3356 Vern Ferguson, President

Total Sales FYE 12/80: \$750,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

#### SUBSIDIARIES:

Dataco Computer Services 301 N. First Ave Evansville, IN 47710 (812)426-1421 Vern Ferguson, President
Computer Services Offered: 
• Processing • Software Products . Professional Services

#### Loumar Management Systems

606 Wilshire Blvd - Suite 502 Santa Monica, CA 90403 (213) 393-5000 George Macropulos, President

Private Computer Services Offered: • Processing • Software

#### LoveLace-Lawrence Co. Inc.

21 Broad St. Charleston, SC 29401 (803) 577-7838 Giles Lovelace, President Private

#### Lowell-Welter Associates

Box 1597 Houston, TX 77001 (713) 977-9672 W. G. Welter, President

Private Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Lowenthal Programming Corporation

30 Rock Ridge Drive Port Chester, NY 10573 (914) 939-8298 Mark J. Lowenthal, President Private

Total Sales FYE 7/81: \$300,000 Est. Computer Services Offered: • Professional Services

# Lowry, James H & Associates 303 E Wacker Dr

Chicago, IL 60601 (312)861-1800 James H Lowry, President Private Total Sales FYE 12/81: \$3,333,000 Cptr. Svcs. Revs. FYE 12/81: \$500,000 Computer Services Offered: • Professional Services

#### Lumberman's Mutual Insurance

#### SUBSIDIARIES:

#### Interstate Business Services

900 Springmill Mansfield, OH 44902 (419) 524-6161 Jerome McBride, President Computer Services Offered: • Processing

#### Lundy Electronics & Systems

Robert Lane Glen Head, NY 11545 (516)671-9000 Computer Services Offered: • Professional Services

#### Lupfer & Long, Inc. Box A-57

Hanover, NH 03755 (603) 643-4503 Greg Lupfer, Vice President Private Total Sales FYE 12/81; \$2,000,000

Computer Services Offered: . Software Products

#### Lycor Inc. 2606 Fortune Circle

Indianapolis, IN 46241 (317) 243-7591 Chris McEvoy, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Lynch Data Processing

740-A Industrial Dr. Cary, IL 60013 (312) 639-2351 John G. Lynch, President

Total Sales FYE 6/81; \$360,000

Computer Services Offered: • Processing

#### M C S Company (The) P.O. Box 1248

Evanston, IL 60204 (312) 675-2525 Total Sales FYE 12/80: \$1,000,000 Computer Services Offered: • Software Products • Professional Services

### M.I.S. International, Inc.

24655 South Field Rd, Ste. 211 South Field, MI 48075 (313) 552-0550 Michael Bahn, President

M.W.L. Inc 32038 Watergate Court Westlake Village, CA 91361 (213)889-2607 Michael W Lodato, President

Computer Services Offered: 
Software Products

#### M/A Com Sigma Data Inc Corporation See: M/A Com,Inc

M/A Com, Inc

SUBSIDIARIES:

#### M/A Com Sigma Data Inc Corporation 5515 Security Lane

Rockville, MD 20852 (301)984-3636 Jerome D. Scheer, President Total Sales FYE 9/81: \$19,900,000 Est. Computer Services Offered: • Processing • Professional Services • Turnkey Systems

### MBA

P.O. Box 98144 Tacoma, WA 98498 (206) 581-3202 Computer Services Offered: • Software Products

#### MBS Consulting

6407 Irwin Court Oakland, CA 94609 (415) 658-4622 Michael Swartz, President

Computer Services Offered: • Professional Services

#### MBS Software

4849 Ronson Court, Ste 207 San Diego, CA 92111 (714)268-3400 Don Foss, President Private Total Sales FYE 12/81: \$250,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

5850 S. DTC Parkway

SUBSIDIARIES:

MCA Financial of MCA Inc.

Mid-Continent Computer Services, Inc.

Englewood, CO 80110 (303) 771-9000 Peter C. Lee, President Total Sales FYE 12/81: \$16,400,000 Computer Services Offered: • Processing

#### MCBA

2441 Honolulu Ave Montrose, CA 91020 (213)957-2900 Computer Services Offered: • Software Products

MCRB Service Bureau

11633 Victory Blvd North Hollywood, CA 91609 (213)984-0641 Richard Yung, President Private

Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Processing

#### MCT Information Systems, Inc. 8 Stanley Circle

Latham, NY 12110 (518)783-6554 Jay Rovosky, President Private

Total Sales FYE 9/81: \$1,200,000 Computer Services Offered: • Software Products • Turnkey Systems

### MD-Dexel Systems Corp

479 N Potomac St Hagerstown, MD 21740 (301)790-1177

Computer Services Offered: • Software Products

#### MDC Systems Corp 1818 Market St

Philadelphia, PA 19103 (215) 299-8213

Computer Services Offered: • Software Products

#### MDCR, Inc. P.O. Box 29

Morganville, NJ 07751 (201) 536-9548 Alan Cherzak, President

Computer Services Offered: • Software Products • Professional Services

### MDS Lawtime

See: MDS, Inc.

### Directory of Computer Services Companies

#### MDS Soft Pro System

4121 Mac Donald Ave Richmond, CA 94805 (415) 234-5440

Computer Services Offered: • Software Products

#### MDS, Inc.

2702 International Lane Box 8098 Madison, WI 53708 (608)249-2147

Jon Romnes, President

Private Total Sales FYE 12/81: \$1,500,000

Cptr. Svcs. Revs. FYE 12/81: \$1,000,000

Computer Services Offered: • Processing • Software

Products

#### DIVISIONS:

MDS Lawtime

307 Whooping Loop Altamonte Springs, FL 32701 (305) 831-4200

(305) 831-4200

Computer Services Offered: • Turnkey Systems

#### MFS Limited

Merged into Canada Systems Group

#### MHM Corporation

Name changed to: Source Data Inc.

#### MHT Services Inc.

90 West Franklin St Hackensack, NJ 07601 (201)342-1321 Martin Tillinger, PH.D., President

Private

Total Sales FYE 1/82: \$550,000 Est.

Computer Services Offered: • Software Products • Professional Services

### MIPS Software Development Inc.

1899 Orchard Lake Road Suite 202 Pontiac, MI 48053 (313) 335-7213 Computer Services Offered: • Software Products

#### MIS Associates

11.5 ASSOCIATES
220 Washington Ave Extension
Albany, NY 12203
(518)456-3303
Steve Fullum, President
Computer Services Offered: • Software Products

#### MIS, Inc.

115, Inc.
P.O. Box 5000
Bradford, PA 16701
(814) 362-4631
T.R. Bromeley, President
Private
Total Sales FYE 7/81: \$1,200,000 Est.

Computer Services Offered: • Processing

#### MJK Associates

122 Saratoga Ave., Suite 11 Santa Clara, CA 95051 (408) 247-5102 Susan T. Held, President

Computer Services Offered: • Processing • Professional Services

#### MRI Systems Corporation

See: Intel Systems Corporation

#### MSM Software

1713 Meridian Garland, TX 75040 (214) 272-4906 Steve Marrero, President

#### MSP, Inc. 21 Worthen Rd.

Lexington, MA 02173
(617) 861-6130
David da Costa, President
Private
Total Sales FYE 12/81: \$6,500,000
Computer Services Offered: • Software Products

### MTSC, Inc.

See: Continental Telecom Inc.

### MVSE Software

347 N Charles St Baltimore, MD 21201 (301)659-7212

Total Sales FYE 6/82: \$1,700,000 Est.

Computer Services Offered: • Software Products

#### MVT Microcomputer Systems, Inc.

31225 La Baya, Ste 110 Westlake Village, CA 91362 (213) 349-9076 Donald Pilipovich, President

Computer Services Offered: • Software Products

#### M & S Computing

Name changed to Intergraph Corporation

#### MacDonald Computer Systems

2827 San Fernando Blvd. Burbank, CA 91504 (213) 846-6510

Bruce E. Adamson, President Private

Total Sales FYE 7/81: \$700,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### MacIntyre EDP Service, Inc.

4546 Beltway, W.
Dallas, TX 75234
(214)385-9528
Computer Services Offered: • Processing • Software
Products • Professional Services

#### MacNeal Schwendler Corporation

815 West Colorado Blvd Los Angeles, CA 90041 (213)258-9111 Richard MacNeal, President

Total Sales FYE 2/81: \$7,500,000

Computer Services Offered: • Software Products

SUBSIDIARIES:

#### Schaeffer Analysis

Kendall Rd.

Mt. Vernon, NH 03057
(603) 673-3070
Harry Schaeffer, PH.D., President
Computer Services Offered: • Software Products

#### Macro Corporation

1260 Virginia Drive Fort Washington, PA 19034 (215) 64-9510 W. Bradford Schultze, President Private Total Sales FYE 12/81: \$3,000,000

Macro 4 Inc.

1 West Hanover Avenue Gothic Plaza
Mt. Freedom, NJ 07970
(201) 895-4800
Robert Franco, President
Private
Total Sales FYE 3/80: \$200,000 Est.
Computer Services Offered: • Software Products

Computer Services Offered: • Professional Services

Magda Corporation

1 Maria Place Fairfield, NJ 07006 (201) 575-8660

### Magnum Communications, Ltd

320 Interstate, N Atlanta, GA 30339 (404) 952-4940 Computer Services Offered: • Software Products

Mailhouse, Inc. 210 N. 2nd Street

Minneapolis, MN 55401 (612) 339-870, President Public Total Sales FYE 12/81: \$5,000,000 Cptr. Svs. Revs. FYE 12/81: \$2,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Mailing Data Services See: Minute Man Mailers

Mainstem Corp
PO Box 2 Princeton Forrestall Center
Princeton, NJ 08540
Computer Services Offered: • Turnkey Systems

#### Major Computer Corporation

17 W. Marie St.
Hicksville, NY 11801
(516) 822-4335
Eugene Solomen, President
Private

Computer Services Offered: • Processing • Professional Services

Mamba Inc

82 Boothby Dr Mount Laurel, NJ 08054 (609)235-7018 David Pliskin, President Computer Services Offered: • Software Products

## Management & Computer Services Inc. See: Pentamation Enterprises Inc.

Management Analysis Co.
See: Bayside Holding Corp.

Management and Financial Support Services

DIVISIONS:

BancAids

7297P Lee Highway
Falls Church, VA 22044
(703)533-9000
Computer Services Offered: • Software Products • Professional Services

#### Management Communications Consultants 8595 Beechmont Ave, 3 Fl

Cincinatti, OH 45230 (513)474-4070 Robert Snouffer, Sr., President

#### Management Computer Services, Inc. 2790 Fisher Road

Columbus, OH 43204 (614) 272-0202 Donald A. Turner, President Private Total Sales FYE 3/81: \$1,800,000 Computer Services Offered: • Processing.

### Management Computer Services, Inc.

1717 St. James Street LaCrosse WI 54601 (608) 784-0354 Robert A. Sierp, President Private Computer Services Offered: • Processing • Turnkey

Management Computer Controls

2076 Union Ave Memphis, TN 1965 (901)274-0096

W. Cole Early, President
Private
Total Sales FYE 2/81: \$1,000,000 Est.
Cutr. Sycs. Revs. FYE 2/81: \$400,000 F.

Cptr. Svcs. Revs. FYE 2/81: \$400,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Directory of Computer Services Companies

#### Management Consulting Services

220 E. 3900 South, Suite 10 Salt Lake City, UT 84107 (801) 268-6102

### Management Control Methods Inc.

2258 N. Lake Parkway Atlanta, GA 30084 (404) 934-0480 Richard M. Mosrie, Jr., President Private Computer Services Offered: • Processing

### Management Control Systems Inc.

110 Rondo Box 7252
Fort Worth, TX 76111
(817) 625-4221
John W Wendel, President
Private
Total Sales FYE 12/81: \$3,100,000
Cptr. Svcs. Revs. FYE 12/81: \$2,850,000
Computer Services Offered: • Processing

#### Management Control Systems Inc

See: Informatics General Corp

#### Management Cybernetics International P.O. Box 888467

Atlanta, GA 30338

#### Management Data Services Corporation 2011 I Street N.W.

2011 I Street N.W.
Washington, DC 20006
(202) 293-7470
Jay Norman Crutchfield, President
Computer Services Offered: • Processing

#### Management Data Systems Inc.

778 Northwest Blvd Columbus, OH 43212 (614) 443-9487 Richard J. Davis, President

Computer Services Offered: • Processing • Software

### Management Decision Systems Inc.

740 Charcot Avenue San Jose, CA 95131 (408) 263-9800 Steve Havens, President

Computer Services Offered: 
Processing • Software Products • Professional Services

#### Management Decision Systems, Inc.

200 Fifth Ave Waltham, MA 02254 (617) 890-1100 John S. Wurtz, President Private

Private
Total Sales FYE 4/81: \$16,100,000
Cptr. Sves. Revs. FYE 4/81: \$16,000,000
Computer Services Offered: Processing \* Software
Products \* Professional Services

#### Management Decisions Development Corporation

7209 Dixie Highway
Fairfield, OH 45014
(513) 874-0111
Ralph R. Hodges, President
Private
Computer Services Offered: • Software Products •

# Professional Services • Turnkey Systems Management Directions, Inc

57 Longuevue Dr Pittsburgh, PA 15228 (412)323-2341 George Taylor, President Private Total Sales FYE 3/82: \$500,000 Computer Services Offered: • Processing • Software

# Products • Professional Services Management Group Inc. 393 Totten Pond Road

Waltham, MA 02154 (617) 890-6580 Francis Donavan, President Computer Services Offered: • Software Products

## Management Information Systems (MIS) 6001 Savoy, Suite 202

Houston, TX 77036 (713) 785-3690 Computer Services Offered: • Software Products

#### Management Informaton Systems 3601 N. Miami Ave.

Miami, FL 33137

# Management Methods, Inc. See: Continental Telecom Inc.

### Management Reporting Service

Denver, CO 80207 (303) 399-1424 Robert M. Clawson, President Private Computer Services Offered: • Processing

#### Management Science America 3445 Peachtree Rd. NE Suite 1300

Atlanta, GA 30326 (404) 262-2376 William M. Graves, President Public Total Sales FYE 12/81: \$73,139,348 Cptr. Sves. Revs. FYE 12/81: \$70,568,840 Computer Services Offered: • Software Products

#### SUBSIDIARIES:

#### Peachtree Software Inc.

3445 Peachtree Rd N.E. Atlanta, GA 30326 (404) 239-3000 Ben Dyer, President Computer Services Offered: • Software Products

#### Management Science Associates,

5100 Centre Ave. Pittsburgh, PA 15232 (412) 683-9533

Computer Services Offered: • Processing

#### Management Sciences Inc

6022 Constitution, NE Albuquerque, NM 87110 (505)255-8611

Computer Services Offered: • Software Products

#### Management Services Inc.

3 Corporate Square Atlanta, GA 30329 (404) 321-0820 Everett T. Suters, President

Public Public

Total Sales FYE 10/80: \$2,500,000 Est.

Computer Services Offered: • Processing

### Management Systems & Programming

Inc.

21 Worthen Rd. Lexington, MA 02173 (617) 861-6130 David DaCosta, President

Computer Services Offered: • Software Products

### Management Systems Corporation

125 North State Street Salt Lake City, UT 84103 (801) 531-1122 Ray R. Hanson, President

Private

Computer Services Offered: 

Processing Professional

Services

## Management Systems Consulting Services See: General Physics Corporation

### Management Systems of Wausau Inc. See: Wausau Insurance Co

## Management Techniques, Inc.

Boston, MA 02146 (612) 232-8377 Stanley Schein, President

Private
Total Sales FYE 7/81: \$400,000

Computer Services Offered: • Turnkey Systems

### Management Technology Inc. (MTI)

A - 4562 64th St. Holland MI 49423 (616) 335-5821

J. K. Billman, President
Private
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

Managistics Inc

Managistics Inc.

See: Chase Manhattan Bank, N.A.

#### Manatron Inc. 2970 South 9th Street

Kalamazoo, MI 49009 (616) 375-5300 Allen Peat, President Private

#### Mandalla Information Systems

84 Montezuma San Francisco, CA 94110 (415)433-6144 Harry L Colman, Partner

Computer Services Offered: • Software Products

#### Mandate Corporation

Private

1717 E. Ninth Street 300 East Ohio Building Cleveland, OH 44114 (216) 861-8100 Milton N. Allen, President

#### Manhattan Systems Inc

15713 Osage Ave PO Box 235 Lawndale, CA 90260 (213)679-2145 David Unangst, President

#### Mankato Citizens Telephone Co.

#### SUBSIDIARIES:

#### Computoservice Inc.

1315 Stadium Rd. PO Box 772 Mankato, MN 56001 (507) 625-1691

Richard E. Kendall, President Private

Total Sales FYE 12/80: \$2,100,000

Computer Services Offered: • Processing • Professional Services

#### ManLabs, Inc.

21 Erie St. Cambridge, MA 02139 (617) 491-2900

Computer Services Offered: • Processing

### Manley Data Processing Company 121 Gertrude Avenue South

Paramus, NJ 07652 (201) 843-5005 Robert Manley, President

Computer Services Offered: • Processing

### Manlius Valley Enterprises Inc.

PO Box 159 Fayetteville, NY 13066 (315) 682-2182 James J. O'Keefe, President

Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Directory of Computer Services Companies

#### Mann Data Inc.

50 Tower Road Newton Upper Falls, MA 02164 (617)964-3250 Frank Mann, President

Total Sales FYE 10/81: \$1,200,000 Est. Computer Services Offered: • Software Products • Professional Services

### Mann, Charles & Associates Micro

Software Division See: Mann, Charles & Associates

### Mann, Charles & Associates

DIVISIONS:

#### Mann, Charles & Associates Micro Software Division

55722 Santa Fe Yucca Valley, CA 92284 (714)365-9718 Charles Mann, President Total Sales FYE 12/81: \$5,500,000 Est. Computer Services Offered: • Software Products

#### Manufacturers Resources and Planning, Inc (MRP)

1430-M South Village Way Santa Ana, CA 92705 (714)972-2000 Robert B. Hood, President Total Sales FYE 3/82: \$6,100,000 Computer Services Offered: . Software Products

#### Manufacturing and Consulting Services Inc (MCS)

17942 Cowan Ave Irvine, CA 92714 (714) 660-1170 Patrick Hanratty, President Computer Services Offered: . Software Products

#### Manufacturing and Systems Programming See: Lawson Associates

Manufacturing Data Systems, Inc. See: Schlumberger Ltd

#### Manufacturing Education Services, Inc. PO Box 1535

Jackson, M1 49201 (517)254-4441

Computer Services Offered: • Software Products

#### Manufacturing Management Systems.Inc 4175 Dayton Rd

Madison, OH 44057 (216)428-4068 Computer Services Offered: . Software Products

#### Manufacturing Resources Management

10721 W. Capitol Drive Milwaukee, W1 53222 (414) 462-3500 S.J. Kohn, President

Total Sales FYE 7/81: \$550,000 Est. Computer Services Offered: . Software Products . Professional Services

#### Manufacturing Solutions and Systems 1300 S Calhoun Rd

Brookfield, WI 53005 (414)786-1172 David C Chopp, President Total Sales FYE 12/81; \$250,000 Computer Services Offered: • Software Products • Professional Services

#### MANUS Services Corporation 1700 Westlake Ave. North

(206)285-3260 Clifford M. Asplund, President Total Sales FYE 3/82; \$7,847,000 Cptr. Svcs. Revs. FYE 3/82: \$6,670,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

### Map/Com Inc.

Seattle, WA 98109

8552 Katy Freeway No. 123 Houston, TX 77024 (713) 464-7021 Robert L. Gray, President

#### Maple Plain Company See: Carlson Marketing Group

Marathon Management Systems

1690 38th St, Ste 212 Boulder, C0 80301 (303)449-0964 Computer Services Offered: . Software Products

#### MARC Analysis Research Corp. 260 Sheridan Ave., Ste. 200

Palo Alto, CA 94306 (415) 326-7511 Pedro V. Marcal, President Private Total Sales FYE 4/81; \$4,500,000 Est. Computer Services Offered: • Software Products • Professional Services

### Marcam Data Systems Corporation

123 Highland Ave Needham, MA 02194 (617)449-5510 Private Computer Services Offered: • Software Products • Professional Services

#### Marchbanks and Parker, Inc. 4538 Centerview Drive

San Antonio, TX 78228 (512) 736-1909 Jerry Parker, President

Total Sales FYE 2/81: \$400,000 Est. Computer Services Offered: . Software Products .

Professional Services

### Marcoin Business Management Services,

1924 Cliff Valley Way Atlanta, GA 30329 (404)325-1200

Ronald N. Talmadge, President

Total Sales FYE 9/82: \$4,409,000 Cptr. Svcs. Revs. FYE 9/82: \$3,730,000

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Marine Management Systems 300 Broad Street

Stamford, CT 06901 (203) 327-6404 James Story, President

Private Computer Services Offered: • Software Products • Professional Services

### Marino Associates

8133 Leesburg Pk, Stc 602 Vienna, VA 22180 (703) 734-9494 Mario Marino, President Private

Total Sales FYE 6/80: \$500,000 Est. Computer Services Offered: • Software Products

#### Mariposa Corporation

700 Larkspur Landing Circle Suite 199 Larkspur, CA 94939 (415)927-1533 Robert F Leis, Chairman Private

Total Sales FYE 9/81: \$1,500,000 Computer Services Offered: • Professional Services

#### Maritime Computer Corporation

505 South Avenue Cranford, NJ 07016 (201) 272-3500 Vincent Mongno, President

Computer Services Offered: • Processing • Software Products . Professional Services

#### Mark/Ops

636 Beacon St Boston, MA 02215 (617)266-1930 H W Cates, President Private

Total Sales FYE 6/82: \$300,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Market Buy Market
See: Golden West Broadcasters

#### Market Data Retreival

See: Houghton Mifflin Company

#### Market Data Systems Inc.

3835 La Mar Ave Memphis, TN 38118 (901)363-0500 Bufford Smith, President

Total Sales FYE 12/80: \$3,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Market Research Tab Inc.

623 South Wahash Chicago, IL 60605 (312) 376-9220 Frank Cozzone, President Private

Computer Services Offered: • Processing

#### Market Science Associates, Inc

777 Third Avenue New York, NY 10017 (212)751-4980 Computer Services Offered: . Processing

#### Marketing Decisions, Inc.

275 Castle Road Westford, MA 01886 (617) 692-2827 John E. Utz, President

Computer Services Offered: • Professional Services

### Marketron

2180 Sand Hill Road Suite 450 Menlo Park, CA 94025 (415) 854-2767 Gerald Cronin, President Private Computer Services Offered: • Processing • Turnkey Systems

#### Marquette National Bank

SUBSIDIARIES:

### Marquette Services Corporation

4601 West 80th Street Minneapolis, MN 55437 (612) 830-7400 Ron Ingersoll, President

Computer Services Offered: • Processing

#### Marquette Services Corporation See: Marquette National Bank

Marsh & McLennan

### Directory of Computer Services Companies

#### SUBSIDIARIES:

#### Insurance Data Processing Inc.

101 Greenwood Ave. Jenkintown Plaza Jenkintown, PA 19046 (215) 885-2150 C.F. Scott, President Computer Services Offered: • Processing

Marshall & Stevens

See: Bank Buildings Corporation

### Marshall and Swift Publication Company

1617 Beverly Blvd. Los Angeles, CA 90026 (213) 624-6451 Computer Services Offered: • Processing

Martec Computer Corporation 14677 Midway, Ste 120 Dallas, TX 75234 (214)630-1240 Computer Services Offered: . Processing

#### Martin and Stern Inc. 112 Ocean Dr

Manhattan Beach, CA 90266 (213)374-9669 Daniel Stern, Chief Executive Officer Total Sales FYE 12/81: \$5,000,000
Cptr. Svcs. Revs. FYE 12/81: \$3,500,000 Est.
Computer Services Offered: • Professional Services

### Martin Isserlis Enterprises

201 East 28th Street New York, NY 10016 (212) 686-8683

#### Martin Marietta Corporation

SUBSIDIARIES:

#### Martin Marietta Data Systems

6301 Ivy Lane Greenbelt, MD 20770 (301) 982-6500 Richard J. Walters, President Richard J. waters, rresudent
Total Sales FYE 12/81: \$187,000,000
Cptr. Svcs. Revs. FYE 12/81: \$99,164,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Martin Marietta Data Systems See: Martin Marietta Corporation

#### Mason Dixon Freight

DIVISIONS:

#### Crown Data Center

P.O. Box 969 Kingsport, TN 37662 (615) 247-1138 Wallace Ernest, General Manager Computer Services Offered: • Processing

#### Massachusetts Computer Associates, Inc. (COMPASS)

See: Applied Data Research, Inc.

#### Masser Systems Inc.

P.O. Box 852 5020 Sunnyside Ave, Ste. 112 Beltsville, MD 20705 (301) 474-2220 Lee Masser, President Total Sales FYE 12/80: \$475,000 Est. Computer Services Offered: • Processing • Software Products

#### Master Data Center, Inc. 24700 Northwestern

Southfield, MI 48075 (313) 557-4404 Robert B. Gerhardt, President Private Computer Services Offered: • Processing • Software Products

### Master Information Systems

100 Graphic Dr. Syracuse, NY 13206 (315) 463-0211 Pierre J. Maitre, President Private Total Sales FYE 11/81: \$750,000 Computer Services Offered: . Processing

### Mathematica Products Group

See: Mathematica, Inc.

Mathematica, Inc. 14 Washington Rd. PO Box 2392 Princeton, NJ 08540

(609) 799-2600 Tibor Fabian, President Public Total Sales FYE 6/82: \$36,181,000 Cptr. Svcs. Revs. FYE 6/82: \$16,270,000 Computer Services Offered: . Software Products . Professional Services

#### SUBSIDIARIES:

#### MATHTECH, Inc.

P.O. Box 2392 Princeton, NJ 08540 (609) 799-2600 Norman I Agin, President Computer Services Offered: • Professional Services

DIVISIONS:

#### Mathematica Products Group

12 Roszel Rd Princeton, NJ 08540 (609)799-2600 Richard H Cobb, President Computer Services Offered: • Software Products

#### Mathematical Applications Group

3 Westchester Plaza Elmsford, NY 10523 (914) 592-4646

Phillip S. Mittelman, President Public

Total Sales FYE 3/81: \$9,359,994 Cptr. Svcs. Revs. FYE 3/81: \$4,000,000 Est. Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### Mathews & Company

108 Old Kings Hwy. North P.O. Box 2064 Darien, CT 06820 (203) 655-7880 Richard Mathews, President Private Computer Services Offered: • Processing • Professional

MATHTECH, Inc. See: Mathematica, Inc

Services

#### Matrix Insurance Services Inc. 1500 West Loop North PO Box 42

Houston, TX 77008 (713) 868-4494 Richard Marxen, President Private Total Sales FYE 12/81: \$5,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### Matzen and Associates 1337 N. Meridian Suite 3

Wichita, KS 67203
(316) 942-3905
Samuel L. Matzen, President
Private
Computer Services Offered: • Software Products •
Professional Services

#### Maximus Incorporated

6723 Whitter Ave. Suite 101 McLean, VA 22101 (703) 734-0050 David Mastran, PH.D., President Private

Oak Brook Terrace, IL 60181

#### May & Speh Processing Center, Inc. 18W 100 22nd St. Suite 100

(312) 620-8060 Albert J. Speh, Jr., President Private Total Sales FYE 6/81: \$8,000,000 Est. Cptr. Svcs. Revs. FYE 6/81: \$7,500,000 Est. Computer Services Offered: • Processing • Professional Services

### Maynard Data Processing See: Maynard Steel Casting Company

Maynard Steel Casting Company

#### DIVISIONS:

#### Maynard Data Processing

2856 S. 27th Street Milwaukee, WI 53216 (414) 645-0440 Ralph Wabiszewski, President Private

#### McCleery, Winston T., Consultants 4920 Cottage Hill Rd. P.O. Box 337

Mobile, AL 36609
(205) 661-0833
Winston T. McCleery, President
Private
Computer Services Offered: • Software Products •
Professional Services

### McCormack and Dodge, Inc.

Needham Heights, MA 02194 (617) 449-4012 J.M. McCormack, President Private Total Sales FYE 12/81: \$26,000,000 Computer Services Offered: • Software Products

### McCracken Computer, Inc.

Lexington, MA 02173
(617) 862-3083
Frank McCracken, President
Private
Computer Services Offered: • Software Products •
Professional Services

#### McCullough and Associates

1401 N. Jesse James Rd.
Excelsior Springs, MO 64024
(816) 637-8638
William McCullough, President
Private
Total Sales FYE 7/81: \$200,000 Est.
Computer Services Offered: 

\*\*Software Products

## McDermont Inc.

#### SUBSIDIARIES:

#### Babcock & Wilcox Company Computer Services P.O. Box 1260 3315 Old Forest Rd.

Lynchburg, VA 24505 (804) 384-5111 D.E. Guilbert, Vice President, Gen Mgr. Cptr. Svcs. Revs. FYE 3/81: \$4,000,000 Computer Services Offered: • Processing • Software

#### McDevitt & Associates

Products . Professional Services

5019 East 38th Place Tulsa, OK 74135 (918) 627-1181 Dan B, McDevitt, Partner

### Directory of Computer Services Companies

#### McDill Corporation 2600 South Blvd.

2600 South Blvd. Montgomery, AL 36101 (205) 281-8154 Tom Cantey, President Private

Computer Services Offered: • Processing

#### McDonnell Douglas Automation Company See: McDonnell Douglas Corporation

#### McDonnell Douglas Corporation

DIVISIONS:

#### McDonnell Douglas Automation Company P.O. Box 516

St. Louis, MO 63166 (314)232-0232 Robert A. Fischer, President Total Sales FYE 12/81: \$482.831,000 Cptr. Sves. Revs. FYE 12/81: \$252,589,000 Computer Services Officeed: • Processing • Software Products • Professional Services • Turnkey Systems

#### McGraw-Hill

SUBSIDIARIES:

#### Data Resources, Inc.

29 Hartwell Avenue
Lexington, MA 02173
(617) 861-0165
Otto Eckstein, President
Total Sales FYE 12/81: \$59,900,000
Computer Services Offered: • Processing • Professional
Services

#### DIVISIONS:

### McGraw-Hill/Multilist

1221 Avenue of the Americas New York, NY 10020 (212)997-1221 Public Total Sales FYE 12/81: \$30,000,000 Est. Computer Services Offered: • Processing

### McGraw-Hill/Multilist

See: McGraw-Hill

#### McHugh, Freeman and Associates Inc 6333 Odana Rd Madison, WI 53719

Madison, WI 53719 (608)274-6250 Computer Services Offered: • Software Products

#### McNair, John & Associates

DIVISIONS:

#### Micrographic and Computer Services

L.B. & B. Building Waynesboro, VA 22980 (703) 942-1161 John McNair, Jr., President Computer Services Offered: • Processing • Professional Services

#### McSpadden & Porter Inc.

PO Box 346
North Billercia, MA 01862
(617)663-6036
William F McSpadden, President

Private

Computer Services Offered: • Software Products •

#### McSweeney & Associates

Professional Services

1550 N. Bristol

Newport Beach, CA 92660 (714) 833-9721 Stephen Rimel, President Total Sales FYE 7/80: \$1,500,000 Est. Cptr. Svcs. Revs. FYE 7/80: \$200,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

#### Mead Corporation

SUBSIDIARIES:

#### Mead Data Central

200 Park Avenue
New York, NY 10017
(212)883-8500
Jerome S. Rubin, President
Total Sales FYE 12/81: \$42,000,000 Est.
Cptr. Sves. Revs. FYE 12/81: \$378,000,000 Est.
Computer Services Offered: • Processing

#### Mead Data Central

See: Mead Corporation

### Measurement Concepts Corporation (MC2) 1721 Black River Blvd.

Rome, NY 13440
(315)337-1000
Barry Moritz, President
Total Sales FYE 7/80: \$2,600,000
Computer Services Offered: • Professional Services •
Turnkey Systems

#### Mechanical Technology Inc

968 Albany Shaker Rd Latham, NY 12110 (518) 785-2211 Computer Services Offered: • Software Products

#### Med Logic Systems 2680 Walnut,Ste C

Tustin, CA 92680 (714)544-8181 Mimi Mallory, President Computer Services Offered: • Software Products

#### Medcomp Research Foundation

2400 Reading Road Cincinnati, OH 45202 (513) 721-3357 R. Dean Wilbur, President

Medi-Serv, Inc. 850 Boylston St. Chestnut Hill, MA 02167

(617) 232-5151 Herbert Kugall, Owner

Private
Total Sales FYE 7/80: \$1,000,000 Est.
Computer Services Offered: • Processing • Turnkey
Systems

Medical Computer Systems Inc.

Merged into: Management Systems of Wausau Inc.

Medical Data Consultants, Inc.

Acquired and merged with HBO & Company

Medical Data Control 7385 E. Bush Lake Road Edina, MN 55435

(612) 835-6511 Charles Munster, President Private

Total Sales FYE 12/81: \$2,000,000 Computer Services Offered: • Processing

Medical Data Services
See: Charter Medical Corporation

Medical Data Systems
See: Pentamation Enterprises Inc.

Medical Datamation South West & Harrison Bellevue, OH 44611 (419) 483-6060 John Irons, PH.D., President

Private
Total Sales FYE 9/81: \$1,000,000 Est.

Computer Services Offered: • Processing • Professional

Medical Engineering Inc See: Basic American Industries

Medical Information Technology Inc. (MEDITECH)

255 Bent St Cambridge, MA 02141 (617) 354-3000 A. Neil Pappalardo, President

Private
Total Sales FYE 12/81: \$6,700,000
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

Medical Planning Associates (MPA)

1601 Rambla Pacifico Malibu, CA 90265 (213) 456-2084 Dan Logan, President Private

Medicomm Corporation

11300 Central Expwy, N.
Dallas, TX 75243
(214)696-1985
Computer Services Offered: • Turnkey Systems

Medicus Affiliates Inc.
Name changed to: Whittaker Medicus

Medidata Inc.
15551 Cabrito Road
Van Nuys, CA 91406
(213) 998-6666
Victor J. Rosen, President
Total Sales FYE 7/81: \$250,000 Est.
Computer Services Offered: 

\*\*Products\*\* \*\*Professional Service\*\*
\*\*Orbasional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*\*Profustional Service\*\*
\*

Medinet, Inc. P.O. Box 8013 Fresno, CA 93747 (209)252-7097

Private
Computer Services Offered: • Processing • Professional
Services

MEDITECH
See: Medical Information Technology, Inc.

Megalogics, Inc. 150 W 1230 N Provo, UT 84601 (801)377-9154

Megasoft Computer Systems, Inc P O Box 6121 San Matco, CA 94403 (415)348-2666 Computer Services Offered: • Turnkey Systems

MegaSystems Associates
See: Time Sharing Resources Inc.

Megatek Corporation
See: United Telecommunications Inc.

Mellon Bank Data Center See: Mellon National Corporation

Mellon National Corporation

DIVISIONS:

Mellon Bank Data Center

Pittsburgh, PA 15230 (412) 232-4936 Richard Gaugh, Vice President Total Sales FYE 12/81: \$25,041,000 Computer Services Offered: • Processing

Mellonics Information Center

Mencom Systems Inc.
See: Mennen Company, The

Menlo Computer Associates 801 E. Charleston Rd. Suite F Palo Alto, CA 94303 (415) 494-3170

Jim Crapuchettes, President
Private
Computer Services Offered: • Software Products •
Professional Services

### Directory of Computer Services Companies

#### Mennen Company, The

#### SUBSIDIARIES:

#### Mencom Systems Inc.

Hanover Avenue Morristown, NJ 07960 (201) 540-0344 Don Pietruszka, Director, Client Services

Don Pietruszka, Director, Client Services

Computer Services Offered: • Processing • Professional
Services

#### Mentor Graphics Corp

10200 SW Nimbus Ave, Ste 67 Portland, OR 97223 (503) 620-9817 Computer Services Offered: • Turnkey Systems

Mercantile-Safe Deposit and Trust

### Company

Two Hopkins Plaza P.O. Box 2257 Baltimore, MD 21203 (301) 237-5317

#### Merchandising Directors Inc.

16810 James Couzens Fwy. Detroit, MI 48235 (313) 345-3600 P. David Ruopp, President Private

#### Merchantile National Bank

#### SUBSIDIARIES:

#### Affiliated Computer Systems

1712 Commerce St. P.O. Box 222327
Dallas, TX 75227
Dallas, TX 75227
Dallas, TX 75227
Dallas, TX 75227
Total Sales FYE 12/81: \$26,500,000
Cptr. Svcs. Revs. FYE 12/81: \$24,800,000
Computer Services Offered: • Processing

#### Meridian Systems Inc 115 Pierson Lane

Windsor, CT 06095 (203)683-1289 William Keresey, Chairman Private Total Sales FYE 7/82: \$350,000 Est. Computer Services Offered: • Software Products

# Merkle Computer Systems Inc. See: Pubco

Merlin Systems Corporation
See: Hale Brothers Associates

Merrill Lynch & Co., Inc.

#### SUBSIDIARIES:

#### Merrill Lynch Economics

One Liberty Plaza
New York, NY 10006
(212) 637-6226
D. Albert Cox, President
Computer Services Offered: • Processing • Software
Products • Professional Services

### Merrill Lynch Economics

See: Merrill Lynch & Co., Inc.

#### Meta Systems Concept Inc.

10 Columbus Circle New York, NY 10019 (212) 580-7948

Computer Services Offered: • Processing

#### Metamorphics

5 Drummond Rd Westfield, NJ 07090 (201)654-3200 Milton Seligman, President Private

3645 Warrensville Center Rd

Total Sales FYE 1/81: \$1,000,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Metasystems Inc.

Cleveland, OH 44122 (216)561-9111 Thomas Maruna, President Private Total Sales FYE 12/81: \$1,000,000 Est. Computer Services Offered: \* Software Products \* Professional Services

#### Metier Management Systems, Ltd

5844 Point West Dr Houston, TX 77036 (713) 988-9100 Robin W. I. Lodge, President Private Total Sales FYE 5/8z: \$37,455,000 Computer Services Offered: • Turnkey Systems

#### Metro Data Company, Inc.

1DS Center Minneapolis, MN 55402 (612) 338-4779 B. Wooters, President Private

### Metro System, Inc.

2828 E. 51st Tulsa, OK 74105 (918) 743-5351 James A. Greenway, President Private Total Sales FYE 12/81: \$4,500,000 Computer Services Offered: • Processing • Professional Services • Turnety Systems

#### Metrocom Inc.

200 S. College St., Ste. 1500 Charlotte, NC 28202 (704) 374-1990

Tarokh Taefi, Chairman & President Private

Total Sales FYE 1/81: \$3,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Metromail Corporation

901 West Bond Lincoln, NE 68521 (402) 475-4519 William L. Howe, President Private Total Sales FYE 5/82: \$50,000,000 Est. Cptr. Sves. Revs. FYE 5/82: \$47,000,000 Est.

# Computer Services Offered: • Processing Metropolitan Computer Center

See: Forest Lawn Company

### Metropolitan Life Insurance Company

#### SUBSIDIARIES:

#### D.T.S.S., Inc.

10 Allen St. Hanover, NH 03755 (603) 643-6600 Peter R. Genereaux, President

Private Total Sales FYE 12/81: \$6,200,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

#### Micom Systems

1847 Ruddiman Rd. N. Muskegon, MI 49445 (616) 744-4212 Richard Schanhals, President

Computer Services Offered: • Professional Services

### Micro Applications Group

7300 Caldus Avenue Van Nuys, CA 91406 (213) 881-8076 Greg Scott, Owner

Private

Computer Services Offered: 

Software Products

#### Micro Associates Inc.

2300 Hwy 365,Ste 510 LB 131 Nederland, TX 77627 (713)724-6583 Mark Lee, President Private Computer Services Offered: • Processing

#### Micro Business Applications, Inc.

P.O. Box 2888 La Jolla, CA 92038 (714) 453-8884

#### Micro Business Software Inc. (MBSI)

Dover Road Willow Hill Building Chichester, NH 03263 (603)798-5700 Private

Total Sales FYE 7/82: \$1,750,000 Est. Computer Services Offered: • Processing

#### Micro Business Systems Inc. 7725 Broadway,Suite B

Merrillville, IN 46410
(219)769-3445
Roger Pace, Vice President
Private
Total Sales FYE 7/82: \$400,000 Est.
Computer Services Offered: \* Software Products \* Turnkey

#### Micro Computer Management Inc

200 West Prospect Rd Fort Collins, CO 80526 (303)493-5700 Jerry Taylor, President Computer Services Offered: • Software Products

### Micro Data Base Systems, Inc. (MDBS) 350 Sagimore Parkway

West Lafayette, IN 47906 (317)448-1616 Gary Kochler, President Private Total Sales FYE 6/81: \$1,750,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Micro Five Corp

Systems

17791 Sky Park Čircle Irvine, CA 92714 (714)957-1517 Computer Services Offered: • Software Products

### Micro Focus Inc.

#### Micro Focus Ltd.

#### SUBSIDIARIES:

## Micro Focus Inc.

Santa Clara, CA 95050 (408) 984-6961 Brian Reynolds, President Computer Services Offered: • Software Products

#### Micro Information Systems, Inc.

Richardson Plaza Route 309 & Richardson Rd. Montgomeryville, PA 18936 (215) 855-2700 Stanley I. Simkins, President Private Total Sales FYE 12/80: \$300,000 Computer Services Offered: • Software Products

### Directory of Computer Services Companies

#### Micro Macro Systems Inc.

10 Columbus Circle,25Th Floor New York, NY 10019 (212) 246-4242

Joseph Forgione, President Private

Total Sales FYE 6/81: \$1,300,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Micro Solutions, Inc. (MSI) 8511 Washington Blvd. Culver City, CA 90230

Culver City, CA 90230 (213) 559-3940 Ronald Olch, President Private

Private
Total Sales FYE 3/82: \$750,000 Est.
Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

Micro Systems Software

Santa Clara, CA 95051 (408) 735-1650 George Fraine, Proprietor

Computer Services Offered: • Professional Services

Micro-Ap Inc.

7033 Village Parkway, No. 206 Dublin, CA 94566 (415) 828-6697 Robert Goodman, President

### Micro-Base Associates, Inc.

3477 East Livingston Columbus, OH 43227 (614) 231-2130

Schumann Rafizadeh, Vice President

Total Sales FYE 7/81: \$450,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Micro-Call Services

9655-M Homestead Court Laurel, MD 20707 (301)776-5253 Computer Services Offered: • Software Products

#### Microbol, Inc.

P.O. Box 627 Plymouth, FL 32768 (305) 886-5854 Richard C. Call, President

Computer Services Offered: • Software Products

#### Microcobol Products Inc (MPSI)

2471 E BayShore Rd,Ste 540 Palo Alto, CA 94303 (415)856-3382

Computer Services Offered: • Software Products • Turnkey Systems

#### Microcom Inc

1400-A Providence Highway Norwood, MA 02062 (617)762-9310 Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: • Software Products

#### Microcomputer Consultants

P.O. Box T Davis, CA 95616 (916) 756-8104 Charles Russell, Owner

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Microcomputer Software

See: Aeronca, Inc

#### Microcomputer Systems Development 29319 Golden Meadow Dr.

Rancho Palos Verdes, CA 90274 (213) 541-0437 Computer Services Offered: • Software Products

#### Microcon Digital Systems Inc

126 W Walnut St Kokomo, IA 46901

Computer Services Offered: • Software Products

#### Micrographic and Computer Services See: McNair, John & Associates

Micromark Systems

5340 Thornwood Dr San Jose, CA 95123 (408)578-2900

Computer Services Offered: • Turnkey Systems

#### Micronomics Business Systems, Inc.

1061 54th Street Brooklyn, NY 11219 (212) 436-0381 B. Rabinowicz, President

#### MicroPro International Corp

33 San Pablo Road San Rafael, CA 94903 (415) 499-1200 Seymour I. Rubinstein, President

Private

Total Sales FYE 8/82: \$24,000,000 Est.

Computer Services Offered: • Software Products

#### Microsoft, Inc. 10700 Northrup Way

10700 Northrup Way Bellvue, WA 98004 (206) 455-8080 Bill Gates, President Private

Total Sales FYE 12/81: \$16,500,000

Computer Services Offered: • Software Products

Microsource See: Baldwin United Corporation

### Microsystems Consulting

5237 College Ave Oakland, CA 94618 (415)428-2711 Charles Akers, President

Computer Services Offered: • Software Products

#### Microsystems Inc. 6604 North Addison, Ste 212B Spokane, WA 99208

(509) 747-4135

### Microtrol Systems Inc.

11181 Harry Hines Blvd. Dallas, TX 75229 (214)247-7872 Computer Services Offered: • Software Products

#### Mid-American Control Corporation US 60 West PO Box 40065

Shelbyville, KY 40065 (502)633-5700 George R Arvin, President Total Sales FYE 10/81: \$1,200,000 Computer Services Offered: • Software Products • Turnkey

#### Mid-American Investment

SUBSIDIARIES:

#### Educational Methods, Inc

PO Box 2908 Denver, CO 80201 (303)770-2571 Kathleen Heinrich, President Total Sales FYE 12/81: \$900,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

#### Mid-Continent Computer Services, Inc. See: MCA Financial of MCA Inc.

Midco Data Systems See: Dakco Distributors

### Midstate Computing Services Inc

Name changed to: Gancom Inc.

#### Midwest Data Systems, Inc. See: Celina Financial

### Midwest Stock Exchange and DST, Inc.

SUBSIDIARIES:

### Illinois Stock Transfer Inc.

223 W Jackson Chicago, IL 60606 (312)427-2953 George Pearson, President

### Midwest Systems Group

See: Burroughs Corporation

#### Milestone Systems, Inc. 1846 E Camelback Rd, Ste 302

Phoenix, AZ 85016 (602) 279-9216 Michael Miles, President Computer Services Offered: • Software Products

### Miller Computing Corp

See: Miller Technology and Communications

### Miller Microcomputer Services

61 Lake Shore Rd. Natick, MA 01760 (617) 653-6136 A. Richard Miller, Partner Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Miller Technology and Communications

SUBSIDIARIES:

#### Miller Computing Corp

4837 E McDowell Dr Phoenix, AZ 85008 (602)254-1129 Chuck Winslow, President Cptr. Svcs. Revs. FYE 9/81: \$1,700,000 Computer Services Offered: • Turnkey Systems

#### Miller-O'Flynn

10459 Jefferson Blvd. Culver City, CA 90230 (213) 345-9615 Don Miller, President

Computer Services Offered: • Software Products

#### Millerick & Associates Inc.

655 Redwood Hwy, Ste 243 Mill Valley, CA 94941 (415)383-7332

Computer Services Offered: • Software Products

#### Mincron SBC Corporation 350 Fifth Ave. Suite 2810

New York, NY 10118 (212) 736-7970 Computer Services Offered: • Software Products • Professional Services

#### Mineral Search, Inc 8815 Solon Rd, Bldg F-1

Houston, TX 77064 (713)469-9707 William C Oliver, President Computer Services Offered: • Processing • Professional Services

Mineweld Company of Indiana

### Directory of Computer Services Companies

#### DIVISIONS:

#### Mineweld Data Management Center

5420 W. Morris Street Indianapolis, IN 46241 (317) 248-8585

Computer Services Offered: • Processing • Software Products

#### Mineweld Data Management Center See: Mineweld Company of Indiana

#### Mini Computer Application Software (MCAS)

P.O. Box 2553 Orcutt, CA 93454 (805) 735-1069

#### Mini Computer Systems International Inc.

7420 Ranco Rd. Richmond, VA 23228 (804) 264-0867

#### Mini Data Systems

2041 Rosecrans Ave. El Segundo, CA 90245 (213) 640-0404 Private

Total Sales FYE 5/81: \$1,500,000 Computer Services Offered: • Turnkey Systems

### Mini Probe Corporation

6605 Woodhaven Blvd. Rego Park, NY 11374 (212) 830-0110 G. O'Malley, President

#### Mini-Computer Business Applications, Inc. (MCBA)

2441 Honolulu Ave Montrose, CA 91020 (213) 247-9050 Stina Hans, President

Private Total Sales FYE 8/81: \$3,000,000

Computer Services Offered: • Software Products

#### Mini-Computer Support Group

3645 Warrensville Center Rd Shaker Heights, OH 44122 (216)283-2000 Richard Maler, President

Total Sales FYE 7/81: \$1,500,000 Est. Computer Services Offered: • Software Products

#### Mini-Computer Systems Inc.

399 Fairview Park Dr. Elmsford, NY 10523 (914) 592-8812

Computer Services Offered: • Turnkey Systems

Private

Mini-Max Inc. 1865 Old Hudson Road St. Paul, MN 55119 (612) 738-7841 Theodore F. Dircz, President

Total Sales FYE 3/81: \$260,000 Computer Services Offered: • Professional Services • Turnkey Systems

# Minicomputer Company of Maryland, Inc. 793 Elkridge Landing Rd. Ste 16S Linhicum, MD 21090 (301) 796-7575

Robert W. Johnson, President

# Minicomputer Modeling Inc. 200 W Mercer Queen Anns Square, Ste 508 Seattle, WA 98119

(206)282-9717 Van R. Peterson, President Total Sales FYE 8/82: \$1,250,000 Est. Computer Services Offered: • Software Products

Minicomputer Sales & Leasing, Inc. 4 Gary Road Union, NJ 07083 (201) 964-6700 Theodore M. Sabarese, President

# Minicomputer Systems Technology, Inc. 399 Fairview Park Dr Elmsford, NY 10523 (914)592-8812

Bill Doniger, President

#### Minidata Services, Inc.

1259 Route 46 Parsippany, NJ 07054 (201) 263-0020 Edward Bindel, President

Miningham & Oellerich, Inc. 225 Broadway New York, NY 10007 (212) 349-4410 John P. Oellerich, President Private

Total Sales FYE 12/81: \$1,200,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

## Ministry Management Systems See: Personal Computer Management Corp

### Minnesota Information Systems

Corporation See: Decision Systems, Inc.

#### Minute Man Mailers

SUBSIDIARIES:

Mailing Data Services
510 E. Commercial Ave.
Los Angeles, CA 90012
(213) 626-6301
William J. Artherston, President Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Postal Data Corporation

4007A Highway 301 La Plata, MD 20646 (301) 870-3600 Barbara Zuidehof, President

#### Minuteman Computer Corporation 230 Second Avenue

Waltham, MA 02254 (617) 890-4070 Mitchell J. Marcus, President

Computer Services Offered: • Software Products • Turnkey

#### Misco

Services

(305) 576-0522 Omer S. Bader, President Total Sales FYE 7/80: \$966,000 Est. Computer Services Offered: • Processing • Professional

#### Mitchell Systems Inc.

3601 N. Miami Ave.

Miami, FL 33137

#### SUBSIDIARIES:

#### Structural Programming Inc.

83 Boston Post Rd. Sudbury, MA 01776 (617) 443-5366 Neal B. Mitchell, Jr., President Computer Services Offered: • Software Products • Professional Services

### Mitre Corporation 10301 Middlesex Turnpike

Bedford, MA 01730 (617) 271-2000 R.R. Everett, President Private Total Sales FYE 7/81: \$180,000,000 Est. Cptr. Svcs. Revs. FYE 7/81: \$150,000,000 Est.

Computer Services Offered: • Professional Services

#### Mitrol, Inc.

See: General Electric Company 280 Connecticut Avenue South Norwalk, CT 06854

#### Mnemonics Inc.

(203) 853-7511 Henry T. Tealer, President Total Sales FYE 10/81: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Mobius Division

See: Nabu Manufacturing Corp.

#### Modern Computer Systems Corp

6356 South Tamiami Trail Sarasota, FL 33581 (813)923-2584 Robert W Slusarz, President Computer Services Offered: • Software Products

#### Modular Computer Systems, Inc.

1650 West McNab Rd PO Box 6099 Fort Lauderdale, FL 33310 (305)974-1380 Gabriel A Rosica, President Computer Services Offered: . Software Products

#### Modular Information Systems, Inc. (MIS)

1716 West Colonial Drive Orlando, FL 32804 (305)422-4160 James Holmes, President Private Total Sales FYE 1/81: \$1,200,000 Est. Computer Services Offered: . Software Products

### Modulus Data Systems Inc

520 Mercury Dr Sunnyvale, CA 95051 (408) 247-5232 George Liviakis, President

### Computer Services Offered: • Processing

Molecular Design Ltd. 1122 B St Hayward, CA 94541 (415) 581-1996 Computer Services Offered: • Software Products

#### Monchik-Weber Corporation 11 Broadway 2nd Fl

New York, NY 10004 (212) 962-2400 Stewart Monchik, President Public Total Sales FYE 5/82: \$22,955,000 Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Money Management Systems, Inc. 303 Wyman St.

Waltham, MA 02154 (617) 890-2070 W. Benton Jones, President Private Total Sales FYE 6/81: \$2,000,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Money Tree Systems Inc.

P.O. Box 41 McFarland, WI 53558 (608) 838-8273

#### Montgomery Data Systems Inc.

10400 Connecticut Avenue Kensington, MD 20795 (301) 949-1898 Lynne L. Riley, President Private

Total Sales FYE 2/80: \$1,200,000 Est. Computer Services Offered: • Processing

#### Moore Business Forms

DIVISIONS:

International Graphics

1660 South Highway 100 Parkdale Plaza 4th Fl St Louis Park, MN 55416 (612) 540-1000 Lou Rupnik, VP & General Manager Total Sales FYE 12/82; \$52,000,000 Est. Cptr. Svcs. Revs. FYE 12/82: \$46,800,000 Est. Computer Services Offered: . Processing . Turnkey

Moore Data Systems Inc.

P.O. Box 3616 Baton Rouge, LA 70821 (504) 928-1763 Harley Moore, President Total Sales FYE 3/80: \$2,000,000 Est.

Computer Services Offered: • Turnkey Systems

Morgan Guaranty Trust

23 Wall St. New York, NY 10005 (212) 483-2323 Walter H. Page, President

Morino Associates Inc.

8133 Leesburg Pk, Ste 602 Vienna, VA 22180 (703) 734-9494 Mario M. Morino, President

Morrow Computer Systems

1140 Murfreesboro Rd Nashville, TN 37271 (615) 329-1979

Mortada International

7616 LBJ Freeway, Suite 406 Dallas, TX 75251 (214) 233-7703

Mortgage Index (The), Inc. See: Hale Brothers Associates

Mountain Software Growers 3815 Montrose, Ste 236 Houston, TX 77006

(713)526-5349

Mountain States Computing

SUBSIDIARIES:

A Data Services 1142 Indian School Rd., W. Phoenix, AZ 85011

(602)277-4413 Multibank Computer See: Multibank Financial Corp.

### Multibank Financial Corp.

SUBSIDIARIES:

Multibank Computer

11 Midstate Dr. Auburn, MA 01501 (617) 832-5344 Herman Hipson, President
Cptr. Svcs. Revs. FYE 12/79: \$3,000,000 Est.
Computer Services Offered: • Processing

Multicept Corporation

201 West Pine St Rome, NY 13440 (315) 337-1000 Barry Moritz, President Private

Computer Services Offered: • Professional Services

Multicom

DIVISIONS:

Adams Minicomputer Systems Inc.

755 New York Ave Huntington, NY 11735 (516) 249-0220 Theodore Leder, President Computer Services Offered: • Professional Services • Turnkey Systems

Multiphase Data Systems, Inc. 20475 Yellow Brick Rd, Ste H

Walnut, CA 91789 (714) 529-7277

Mason Wood, President
Computer Services Offered: • Turnkey Systems

Multiple Access Inc.
Merged into Canada Systems Group

Multiple Funding Services Inc. See: Dun and Bradstreet

Multiplications, Inc.

Professional Services

1050 Massachusetts Ave Suite 2300 Cambridge, MA 02138 (617)864-5810 Michael H. Pomerantz, President

Private Total Sales FYE 4/82: \$2,400,000

Computer Services Offered: • Software Products •

Multisystems, Inc
Name Changed to Multiplications. Inc

#### Multitask, Inc

1007 Farmington Ave. Ste 15 West Hartford, CT 06107 (203)232-2142

Computer Services Offered: • Software Products

#### Mutual Data Inc.

99 High St. Suite 1350 Boston, MA 02110 (617) 482-4144 Rudolph J. Laporte, President

Total Sales FYE 12/81; \$3,208,617 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Mycroshare, Inc.

135 Lake Street S. Kirkland, WA 98033 (206) 822-6074 Paul H. Nve. President Computer Services Offered: • Software Products

#### Mylee Digital Sciences, Inc. 155 Weldon Pkwy.

Maryland Heights, MO 63043 (314) 567-3420 James R. Moog, President Public Total Sales FYE 10/80: \$2,472,000 Computer Services Offered: • Turnkey Systems

#### NCA Corporation 388 Oakmead Pkwy.

Sunnyvale, CA 94086 (408) 245-7990 Mark Ciotek, President Public Total Sales FYE 12/81: \$12,086,000 Computer Services Offered: . Processing . Software

#### NCI

3720 Longview Drive Atlanta, GA 30341 (404) 451-7455 Computer Services Offered: • Software Products

#### NCNB Corporation

1 NCNB Plaza Charlotte, NC 28255 Thomas Storrs, Chairman

Products • Professional Services

Cptr. Svcs. Revs. FYE 12/81: \$863,000 Computer Services Offered: . Processing

#### NCR Corporation Data Centers

1700 S. Patterson Blvd. Dayton, OH 45479 (513)445-5000 Charles E. Exley, Jr., President Cptr. Svcs. Revs. FYE 12/81: \$298,000,000 Est. Computer Services Offered: . Processing . Software Products

#### NDX Corporation

17 South Briar Hollow, Ste 401 Houston, TX 77027 (713) 850-9408 Computer Services Offered: • Software Products

### NJL Data Corporation

See: New Jersey Life

#### **NLT Computer Services** See: NLT Corporation

#### **NLT** Corporation

#### SUBSIDIARIES:

#### **NLT Computer Services** National Life Center

Nashville, TN 37250 (615) 256-7600 Douglas C. Altenbern, President Total Sales FYE 12/81: \$36,650,000 Cptr. Svcs. Revs. FYE 12/81: \$34,650,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### NMF Inc.

See: Sun Information Services Company

#### NMG Systems Inc.

220 Montgomery St., Ste. 990 San Francisco, CA 94104 (415)398-3215 Computer Services Offered: • Software Products

NSA, Inc. 1 Cherry Hill Cherry Hill, NJ 08002 (609)667-5000 Nathan Konecky, President Total Sales FYE 9/82: \$4,350,000 Computer Services Offered: • Professional Services

SUBSIDIARIES:

#### Arms Inc.

One Cherry Hill Suite 300 Cherry Hill, NJ 08002 (609) 667-5000 Computer Services Offered: • Processing

#### National Systems Analysts Inc.

One Cherry Hill, Suite 300 Cherry Hill, NJ 08034 (609) 667-5000 Nathan Konecky, President Computer Services Offered: • Professional Services

NVIP, Inc. Neshaminy Valley Information Processing (See: Combined Intn'l)

#### NAB Software Services

3236 Candlelight, NE Albuerque, NM 87111 (505)298-2346

(505)298-2346

Computer Services Offered: • Software Products

#### Nabu Manufacturing Corp.

485 Richmond Rd
Ottawa, ON K1AOB
(613)725-3300
John B. Kelly, Chairman
Private

Computer Services Offered: • Software Products • Professional Services

DIVISIONS:

Mobius Division

485 Richmond Rd
Ottawa, ON KIAOB
(613)725-330,
David A Clark, President
Total Sales FYE 2/81: \$1,028,000
Computer Services Offered: • Software Products •
Professional Services

Natek Corporation

190 Moore Street Hackensack, NJ 07601 (212) 532-9191 Ira Silverman, President

Computer Services Offered: • Processing

SUBSIDIARIES:

Amtab Data

190 Moore Street Hackensack, NJ 07601 (201) 343-8900 Ira Silverman, President Computer Services Offered: • Processing

National Bancard Corporation

See: Continental Telecom Inc.

National Bank of Commerce 1525 Elm Street, LTV Tower P.O. Box 2249

Dallas, TX 75221
(214) 828-5660
John Schultz, Senior Vice President of DP
Private
Computer Services Offered: • Processing

SUBSIDIARIES:

Commerce General Corp.

1878 E. Broons Rd. Memphis, TN 38116 (901) 345-3990 Ron Young, President Private Total Sales FYE 12/79: \$5,500,000 Computer Services Offered: • Processing

National Bank of Virginia

SUBSIDIARIES:

Data Corp of Virginia, Inc.

RNB Center Harrisburg, VA 22801 (703) 434-1331 C. Sheldon Layman, President Private Computer Services Offered: • Processing

National Billing Systems, Inc

See: National Data Corporation

National Business Systems, Inc.

9110 Meadowview Rd Minneapolis, MN 55420 (612) 835-5226 David Ihle, President

Computer Services Offered: • Processing

SUBSIDIARIES:

Key-Data Associates, Inc.

6043 Hudson Rd St. Paul, MN 51119 (612)735-4700 David Ihle, President Computer Services Offered: • Processing

National Color Labs

SUBSIDIARIES:

Wincl Corporation, The

306 West First Avenue Roselle, NJ 07203 (201) 245-6444 Dennis H. Dwyer, Vice President

Computer Services Offered: 
• Processing • Professional Services

National Computer Analysts Inc.

U.S. Highway One at Farber Road Princeton, NJ 08540 (609) 452-2800 John J. Sheehan, President Public Total Sales FYE 12/81: \$2,500,000 Computer Services Offered: • Processing

National Computer Network of Chicago.

1929 N. Harlem Avenue

Chicago, IL 60635 (312) 622-6666 James Leopold, President

Computer Services Offered: • Processing • Software

Products • Professional Services

### National Computer Systems, Inc.

Edina, MN 55435 (612) 830-7600 Harlan Ward, President

Public
Total Sales FYE 1/82: \$50,753,000
Cptr. Svcs. Revs. FYE 1/82: \$16,495,000
Computer Services Offered: • Processing • Turnkey

National CSS, Inc. See: Dun and Bradstreet

Systems

### National Data Communications 5540 Harvest Hill Suite 150

Dallas, TX 75230 (214) 386-0600 Thomas W. Butler, Chairman Public

Total Sales FYE 10/81: \$8,474,797 Computer Services Offered: • Turnkey Systems

National Data Corporation

1 National Data Plaza Corporate Square

Atlanta, GA 30329 (404) 329-8500 L. C. Whitney, President Public Total Sales FYE 5/82: \$120,325,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

SUBSIDIARIES:

#### National Billing Systems, Inc

12 Corporate Square Atlanta, GA 30329 (404) 325-4411 Computer Services Offered: • Processing

#### DIVISIONS:

#### Rapidata, Inc. 20 New Dutch Lane

20 New Dutch Lane Fairfield, NJ 07006 (201) 227-0035 Robert J. O'Brien, Vice President Computer Services Offered: • Processing • Software Products • Professional Services

#### National Data Services, Inc.

21835 Nordhoff St Chatsworth, CA 91311 (213) 882-7360 Charles Flynn, President

### National Database Software, Inc. (NDS)

54808 Centerbrook Rd. West Bloomfield, MI 48033 (313) 851-5560 David Kleinberg, President

Private
Total Sales FYE 3/80: \$300,000 Est.
Computer Services Offered: • Software Products •
Professional Services

#### National Datacentre Corp.

181 West Pender St.
Vancouver, BC V6B 1
(604) 682-4262
J.G. Bartlett, Executive Vice President
Private
Total Sales FYE 3/81: \$4,800,000
Computer Services Offered: • Processing • Software

# Products • Professional Services National Dynamics, Inc.

2285 Elmwood Dr. Smyrna, GA 30080 (404) 433-3000 Gerald Cohen, Exec. Vice President Private

Computer Services Offered: 
Processing 
Software
Products 
Professional Services

### National Economic Research Associates,

5 World Trade Center,8Th Fl New York, NY 10048 (212)524-7800 Irwin Stelzer, President

Cptr. Svcs. Revs. FYE 12/81: \$500,000 Est.

Computer Services Offered: • Processing

#### National Education Corporation

#### DIVISIONS:

Brown Computer Center 2716 E Lake St Minneapolis, MN 55406 (612) 721-2481

(612) 721-2481 agger of DP Services
Total Sales FYE 12/80: \$300,000 Est.
Computer Services Offered: • Processing • Software
Products

#### National Evaluation Systems, Inc 30 Gatehouse Rd PO Box 226

Amherst, MA 01004 (413)256-0444 William Phillip Gorth, President Private Total Sales FYE 6/81: \$4,600,000 Est. Cptr. Sves. Revs. FYE 6/81: \$1,500,000 Est. Computer Services Offered: • Professional Services

### National Information Systems, Inc.

20370 Town Center Lane Suite 245 Cupertino, CA 95104 (408) 257-7700 Arden P. Scott, President Private Total Sales FYE 12/81: \$2,700,000 Est.

Total Sales FYE 12/81: \$2,700,000 Est.

Computer Services Offered: • Processing • Software Products

### National Information Utility

1600 Anderson Rd McLean, VA 22102 (703) 734-7000 Jack Taub, President Computer Services Offered: • Processing

National Integrated Software Services Inc See: Rio Grande Industries

### Directory of Computer Services Companies

#### National Planning Data Corp

PO Box 610 Ithica, NY 14850 (607)273-8208 Douglas Salter, President

Total Sales FYE 12/81: \$2,000,000 Est.

Computer Services Offered: 

Processing

### National Real Estate Exchange

418 Clayton Street San Francisco, CA 94117 (415) 221-2121 Ron Greybeal, President

Computer Services Offered: • Software Products

#### National Sharedata Corporation 9330 Amberton Pkwy. Suite 250

Dallas, TX 75243 (214) 238-7308 Charles R. Scott, President Total Sales FYE 12/81: \$15,000,000 Computer Services Offered: • Processing

#### National ShareGraphics, Inc. 1949 Stemmons Freeway

Dallas, TX 75207 (214) 651-1025 Del Knowler, President Private

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### National Shawmut Bank of Boston One Federal Street

Boston, MA 02110 (617) 292-2147

### National Spinning Company, Inc.

SUBSIDIARIES:

#### Network Computing Corporation 5301-77 Center Dr. Suite 40 Charlotte, NC 28210

5301-77 Center Dr. Suite 40 Charlotte, NC 28210 (704) 525-8810 Robert C Harding, President Total Sales FYE 12/80: \$6,500,000 Computer Services Offered: • Processing

#### National Systemmetics

SUBSIDIARIES:

#### Reliable Data Service

1766 El Camino Burlingame, CA 94010 Prosper Bijl, Manager

#### National Systems & Services 1337 Grendel Wy

Sacramento, CA 95833 (415) 574-5655

#### National Systems Analysts Inc. See: NSA, Inc.

#### National Systems Corporation

2241 West Howard Street Chicago, IL 60645 (312) 338-6611

#### National Systems, Inc 320 N Main St, Ste 303 PO Box 7751

Ann Arbor, MI 48107 (313)996-1969 Daniel P. Mincavage, President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### National Time Sharing & Data Service

8404 Pine Ave. P.O. Box 70 Niagara Falls, NY 14304 (716) 297-0553

#### National Training Systems

1111 Broadway
Santa Monica, CA 90401
(213) 394-7685
Ron Posner, Chairman
Private
Total Sales FYE 4/82: \$2,500,000
Computer Services Offered: • Professional Services

#### Nationwide Computer Services

Interstate Hwy. 45, N. Ennis, TX 75119 (214)227-2900 Computer Services Offered: • Processing

### Nelson & Bauman, Inc

New York, NY 10038 (212)785-9576 Edward W. Nelson, President Private Total Sales FYE 12/82: \$1,000,000 Computer Services Offered: • Processing • Turnkey Systems

#### Neoterics, Inc.

See: Computer Task Group Inc.

#### Neshaminy Valley Information Processing Inc. (NVIP)

See: Combined International Corp.

#### Nestar Systems Inc. Palo Alto ICS Division

2585 E. Bayshore Rd.
Palo Alto, CA 94303
(415) 493-2223
Harry J. Saal, President
Private
Computer Services Offered: 
Software Products

#### Network Analysis Corporation

Acquired and merged with Continental Telecom (ConTel Information Systems

#### Network Communications International

2639 Parkmont Ct. SW Olympia, WA 98502 (206) 754-4780 Philip Tenkhoff, President

Computer Services Offered: • Professional Services

#### Network Computing Corporation

See: National Spinning Company, Inc.

### Network Consultants, Inc.

See: General Electric Company

#### Network Data Base Systems, Inc

2083 Landings Dr Mountain View, CA 94043 (415)969-4100

Computer Services Offered: • Professional Services

#### Network Data Processing Corporation 321 Third Street Southeast

Cedar Rapids, IA \$2407 (319) 365-8690] John D. Ballard, President Public Total Sales FYE 3/82: \$1,866,300 Cptr. Svss. Revs. FYE 3/82: \$1,800,000 Computer Services Offered: • Processing • Software Products.

### Network Technology Inc.

See: Computer Dynamics, Inc.

#### New Century Freight Traffic Association See: GL Corporation

New Directions
See: Data Directions, Inc.

### New England Management Services Inc

240 Bradley St New Haven, CT 06510 (203)787-3281 Ned B Wilson, President Computer Services Offered: • Software Products

#### New Jersey Life

SUBSIDIARIES:

#### NJL Data Corporation

Park 80 Plaza West Saddle Brook, NJ 07662 (201) 843-4240

#### New Orleans Bancshares Inc

1010 Common St New Orleans, LA 70152

#### SUBSIDIARIES:

#### Bank of New Orleans and Trust Company

PO Box 52499
New Orleans, LA 70152
(504)561-7000
Lawrence A. Merrigan, President
Corp. Svcs. Revs. FYE 12/81: \$1,244,000
Computer Services Offered: Processing

#### New Systems Inc

2505 East Thomas, Ste 6 Phoenix, AZ 85016 (602)956-0990 David L. Warren, President Private Total Sales FYE 7/82: \$750,00

Total Sales FYE 7/82: \$750,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### New York and American Stock Exchanges

SUBSIDIARIES:

## Securities Industry Automation Corporation

\$\$ Water Street
New York, NY 10041
(212) 623-7751
Charles B. McQuade, President
Total Sales FYE 12/81: \$108,000,000
Cptr. Sves. Revs. FYE 12/81: \$105,000,000
Computer Services Offered: \* Processing

### New York Times Information Bank

New York Times, The

#### SUBSIDIARIES:

### New York Times Information Bank

Mt. Pleasant Office Park 1719A Route 10 Parsippany, NY 07064 (201) 539-5850 Total Sales FYE 12/81: \$8,500,000 Est. Computer Services Offered: • Processing

#### Nichols & Company Inc. 5839 Green Valley Circle Suite 104

5839 Green Valley Circle Suite 104 Culver City, CA 90230 (213) 670-6400 John F. Nichols, President Private Total Sales FYE 12/81: \$1500.000 Fs

Total Sales FYE 12/81: \$1,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services

### Nicolet Cad Corporation See: Nicolet Instrument Corporation

Nicolet Instrument Corporation

### Directory of Computer Services Companies

#### DIVISIONS:

#### Nicolet Cad Corporation

2450 Whitman Rd Concord, CA 94518 (415) 827-1020 Philip Monego, President Total Sales FYE 3/81; \$3,000,000 Est. Computer Services Offered: • Turnkey Systems

#### NIDUS Systems

1932 14th Boulder, CO 80302 (303) 442-8057

Nielsen, A.C. Company Nielsen Plaza Northbrook, IL 60062 (312) 498-6300 N.E. Harden, President Public

Total Sales FYE 8/81: \$610,000,000 Est.
Cptr. Svcs. Revs. FYE 8/81: \$104,000,000 Est.
Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Compucon

13749 Newtron Road Dallas, TX 75240 (214) 233-4380 Philip Lindley, President Computer Services Offered: • Software Products • Professional Services

#### Nixdorf Computer AG

#### SUBSIDIARIES:

#### Nixdorf Computer Software Co.

6517 Everglades Dr. Richmond, VA 23225 (804)276-9200 Lenny Anderson, President
Total Sales FYE 12/80: \$5,500,000
Computer Services Offered: • Software Products

#### Nixdorf Computer Software Co. See: Nixdorf Computer AG

Noesis Computing Company 615 Third Street San Francisco, CA 94107 (415) 495-7440 Robert V. Scavullo, President Computer Services Offered: • Turnkey Systems

#### Nordata, Inc.

100 Route 46 Mountain Lakes, NJ 07046 (201) 335-0050 Carl Mazzo, President

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Norrell Systems Corporation 3098 Piedmont Rd., Suite 404 Atlanta, GA 30305 (404) 262-2100 Guy W. Millner, President

#### North American Controls (NAC)

14755 S.E. 82 Dr Clackamas, OR 97015 (503) 657-0211 Computer Services Offered: . Turnkey Systems

### North American National Corporation

#### SUBSIDIARIES:

### Asset Data Systems Inc.

1015 East Broad Street Columbus, OH 43205 (614) 253-7455 John C. Miller, President Computer Services Offered: • Processing

### North American Processing 9025 E Kenyon

Denver, CO 80237 (303)771-0940 Wayne Woodside, Vice President Computer Services Offered: • Processing

#### North County Computer Services 2235 Meyers Ave

Escondido, CA 92025 (714) 745-6006 Robert Mayhew, President Private Total Sales FYE 12/80: \$3,000,000 Cptr. Svcs. Revs. FYE 12/80: \$2,250,000 Computer Services Offered: • Processing • Software

### Northeast Computer Systems, Inc 809 Main St

East Hartford, CT 06108 (203)528-3716 Private

Total Sales FYE 12/81: \$10,100,000 Computer Services Offered: • Professional Services

#### Northeast Data Systems Inc

Burlington, MA 01803 (617) 271-2920 Computer Services Offered: . Software Products . Turnkey

#### Northeast Datacom Inc.

Barnes Industrial Park North P.O. Box 5014, 4 Tower Dr. Wallingford, CT 06492 (203) 265-3455 Larry Morse, President Private

Total Sales FYE 3/80: \$3,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Northeastern Systems Associates Inc. 636 Beacon St

Boston, MA 02215 (617) 266-1930 Homer W. Cates, President Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

#### Northern Consolidated Industries, Inc. (NCI)

See: REAP Inc.

#### Northern Numbers, Inc.

430 Oak Grove Suite 201 Minneapolis, MN 55403 (612) 871-7667 Peter Asch, President Total Sales FYE 12/81: \$650,000 Est. Computer Services Offered: • Software Products •

## Professional Services Northwest Analytical Inc. 1532 SW Morrison St

Portland, OR 97205 (503)224-7727 J L Cawley, President Private Total Sales FYE 12/81; \$300,000

Computer Services Offered: • Software Products • Turnkey Systems

#### Northwest Bank Corporation

SUBSIDIARIES:

#### Northwest Computer Services, Inc. Lincoln Bank Building P.O. Box B-1397 Minneapolis, MN 55480

(612) 372-8199 Frank Powell, President Computer Services Offered: . Processing

#### Northwest Computer Services, Inc. See: Northwest Bank Corporation

Northwest Keypunch See: Lawson Associates

#### Northwest Management Services, Inc. 2323 Eastlake Ave East

Scattle, WA 98102 (206)329-9990 John Hughes, President Private Total Sales FYE 3/82: \$3,600,000 Est. Computer Services Offered: • Processing

#### Norwegian American Hospitals Of Chicago

SUBSIDIARIES:

Sentry Data Inc Mount Prospect, IL 60056 (312)952-0500 Jerald R Mathys, President Total Sales FYE 12/81: \$2,000,000 Est. Computer Services Offered: • Turnkey Systems

#### Nour Corporation 2740 S. Harbor Blvd. Suite A Santa Ana, CA 92704 (714) 754-6667

# Nova Computing Services, Inc. 15805 Southwest 101 Ave. Miami, FL 33157

(305) 253-5005 Robert Sherin, President

#### Nu-Comp Systems, Inc.

1573 Selby Avenue St. Paul, MN 55104 (612) 646-4507 Bahram Yusefzadeh, President Computer Services Offered: • Processing • Software Products • Professional Services

#### Numerax, Inc.

230 West Passaic St Maywood, NJ 07607 (201) 368-0170 Keith Keenan, President

Total Sales FYE 6/82: \$5,604,000 Computer Services Offered: • Processing

#### Numeri/Comp, Inc.

703 Grove St Rockford, IL 61108 (815) 963-2435 Emil Hahn, President Private

#### Numeric Computational Systems

704 Preston Rd. Erdenheim, PA 19118 (215) 233-3360 Tom March, President Private Computer Services Offered: • Professional Services

#### Nyplan Inc

135 Lake St.South Kirkland, WA 98033 (206)822-6074 Paul Nge, President Total Sales FYE 7/82; \$1,000,000 Est. Computer Services Offered: . Software Products

#### OAO

7500 Greenway Center Greenbelt, MD 20770 (301) 937-3090 Cecil Barker, Chairman Private

Total Sales FYE 6/81: \$40,000,000 Est.

Computer Services Offered: 

Processing 

Software Products . Professional Services . Turnkey Systems

### **OBS** Software

115 Sansome St San Francisco, CA 94111 (415)391-9555

Computer Services Offered: • Software Products

### ODS Systems, Inc.

See: Tung, C. Y.

#### OEM Data Systems, Inc.

40 Orville Drive Bohemia, NY 11716 (516) 567-7777 J. Sandler, President

Computer Services Offered: • Software Products

#### OK Data Services

229 West Avenue Darien, CT 06820 (203) 655-2727 Buzz Bellefleur, President Private

Computer Services Offered: . Processing

#### OLI Systems, Inc.

31 S Street Suite 907-910 Marstown, NJ 07960 (212)736-7257 Marshall Rafal, PH.D., President

OR/MS Dialogue, Inc. 19 Rector St. New York, NY 10006

(212)425-2665 Arthur Stern, Executive Vice President

Total Sales FYE 6/81: \$750,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

SUBSIDIARIES:

#### Data Factory, Inc.

19 Rector St. New York, NY 10006 (212) 425-2665 Arthur Stern, President Computer Services Offered: . Processing . Software Products

#### O'Tech Group Inc

#### DIVISIONS:

Insoft

10175 SW Barbur Blvd, Ste 202B Portland, OR 97219 (503)244-4181 Computer Services Offered: • Software Products

Oak Software

300 South Duncan Ave Clearwater, FL 33515 (813)441-1219 Computer Services Offered: . Software Products

#### Oasys Inc (Office Automation Systems)

60 Aberdeen Ave Cambridge, MA 02138 (617)491-4180 Murray Ruben, President

Computer Services Offered: • Software Products

#### Oatman Computer Resources

3300 Nolt Road Lancaster, PA 17601 (717) 393-8475 James M. Oatman, President

#### Occidental Computer Systems, Inc.

6666 Valjean Ave. Van Nuys, CA 91406 (213) 782-3005 Paul D. Marchetti, President Private Total Sales FYE 1/81: \$800,000 Est.

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Occupational Computing Company, Inc. 22311 Ventura Blvd. Suite 12:

(213) 999-1919 Barry Lederman, President Total Sales FYE 12/81: \$980,000 Est. Computer Services Offered: . Software Products . Turnkey

#### Ocean Data Systems 6000 Executive Blvd.

Rockville, MD 20850 (301) 881-3031

Woodland Hills, CA 91364

#### Oceanic Enterprises Inc. Suite 2601 1823 York Rd

Tinoniun, MD 21093 (301)561-1500 John Edwards Johnston, Jr, President Computer Services Offered: • Processing • Professional Services

#### OCTO Ltd

Martinsville, NJ 08836 (201)753-6286 James N. Ottobre, President Public Total Sales FYE 6/82: \$4,681,378 Computer Services Offered: • Processing • Professional

Services • Turnkey Systems

Martinsville Center

**Odin Datasystems** 425 Bush Street Suite 205 San Francisco, CA 94108 (415) 433-2165 Floyd H. Osborn, Chief Financial Officer

Total Sales FYE 12/81: \$1,400,000 Est. Computer Services Offered: • Processing

#### Office Automation Resources Inc

9945 Burnham Dr Dallas, TX 75243 (214)669-9077 Don W Cole, Preside

Don W Cole, President
Computer Services Offered: 

Software Products

#### Office Manager Inc., The

127 S W 156th St PO Box 66596 Seattle, WA 98166 (206)246-7022

Howard Bing, President Private

Total Sales FYE 10/81: \$3,000,000 Est.

Computer Services Offered: • Software Products

#### Office Services Inc. (OSI)

730 North Post Oak Road 100 Houston, TX 77024 (713) 688-9806 Terry Williams, President

Private
Total Sales FYE 12/81: \$1,000,000
Computer Services Offered: • Processing • Professional Services

Offset Composition Services
See: Photo Data Inc.

#### Offutt Publishing

PO Box 21288
Greensborough, NC 27420
(919)373-1669
Robert L Offutt, President
Private
Computer Services Offered: 9-Processing • Turnkey
Computer Services Offered: 9-Processing • Turnkey

### Ohio Cooperative Library Corp

Name changed to: Online Computer Library Center (OCLC)

#### Ohio Valley Data Control, Inc.

2505 Washington Blvd. Belpre, OH 45714 (614) 423-9501 Robert W. Bom, President

Private
Total Sales FYE 6/81: \$4,750,000
Cptr. Sves. Revs. FYE 6/81: \$4,500,500
Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Kanawha Valley Data Control, Inc.

Carney Court
Dunbar, WV 25064
(304)768-884
(304)768-884
Computer Services Offered: • Processing

#### Oil Data Processing Co

1888 Stebbins, Ste 101 Houston, TX 77043 Lynn Roloff, President Computer Services Offered: • Processing

#### Oil Industry Computer Services Inc.

8700 Stemmons, Ste. 403 Dallas, TX 75247 (214)631-1528

Computer Services Offered: • Processing

#### Olamic Systems Corporation

535 N Michigan Ave, Ste 2414 Chicago, MI 60611 (517) 686-7725 Helen Mick, President trivate

Computer Services Offered: • Processing • Software Products

#### Old Stone Bank Computer Center 443 Jefferson Blvd.

Warwick, RI 02886 (401) 739-8100

#### Olympic Systems Inc 410 Macklyn Ave

Santa Rosa, CA 95405 (707)526-1294

Computer Services Offered: • Software Products

#### OMIKRON

1127 Hearst St Berkeley, CA 94702 (415)845-8013

Computer Services Offered: • Software Products

#### Omni Computer Services

320 Glynn St, N. P O Box 216 Fayetteville, GA 30214 (404)461-6083 Walt Graves, President

Computer Services Offered: • Processing • Turnkey Systems

### Omni Resources, Inc

See: Kirchman Corporation

#### Omni-American 2306 West Meadowview Rd

Greensboro, NC 27407 (919) 852-0680 Charles Hayes, President Private

Total Sales FYE 12/81: \$8,000,000 Computer Services Offered: • Turnkey Systems

### Omnibase Corporation

321 Commercial Avenue Palisades Park, NJ 07650 (201) 224-3535

Computer Services Offered: • Software Products

#### Omnidata

5717 Corsa Avenue Westlake Village, CA 91362 (213) 991-5810

### Directory of Computer Services Companies

#### Omtool Corporation

212 Bacon St Waltham, MA 02154 (617) 899-3920 Martin Schultz, President

Computer Services Offered: • Software Products

### On-Going Ideas

RD No. 1, Box 810 Starksboro, VT 05487 (802) 453-4442 Hal Clark, Owner

#### On-Line Accounting Systems Inc.

Houston, TX 77006 (713) 529-9813 E M Wolfe, Jr. President

Total Sales FYE 12/81: \$2,200,000 Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

#### On-Line Business Systems Inc.

115 Sansome Street San Francisco, CA 94111 (415) 391-9555

Jeffery D. Stein, President & Chairman

Total Sales FYE 10/81: \$20,000,000 Computer Services Offered: . Processing . Software

#### On-Line Computer Systems, Inc.

500 Newport Center Drive Suite 715 Newport Beach, CA 92660 (714) 644-1801 Ray Wells, Chairman & President Private Total Sales FYE 6/81: \$2,700,000 Computer Services Offered: • Processing

#### On-Line Data Processing N 637 Hamilton

Spokane, WA 99202 (509) 484-3400 Ross Miller, President

Computer Services Offered: . Processing . Software Products . Professional Services

### On-Line Design Inc.

See: Technology Management Systems International

#### On-Line Software International

Fort Lee Executive Park 2 Executive Dr. Fort Lee, NJ 07024 (201)592-0009 Jack Berdy, President Private
Total Sales FYE 5/82: \$13,700,000
Cptr. Svcs. Revs. FYE 5/82: \$13,500,000
Computer Services Offered: • Software Products • Professional Services

On-Line Systems, Inc.

Merged with: United Telecom Computer Group

#### On-Trak Data Systems Inc.

2974 LBJ Frwy Dallas, TX 75234 (214)620-8000 Computer Services Offered: . Processing . Software Products • Turnkey Systems

### Online Computer Library Center Inc.

### 6565 Frantz Rd

Dublin, OH 43017 (614)764-6000 Rowland Brown, President Total Sales FYE 6/81: \$30,647,653 Est. Cptr. Svcs. Revs. FYE 6/81: \$20,700,000 Est. Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### Online Databanc Inc.

See: White, Bob, Computing and Software Inc.

#### Opcode, Inc

PO Box 66649 Houston, TX 77006 (713) 367-2033

Computer Services Offered: . Software Products

#### Open Systems, Inc. 430 Oak Grove, Suite 409

Minneapolis, MN 55403 (612) 870-3515 Dan Webb, President

Private Total Sales FYE 6/82: \$2,500,000 Est. Computer Services Offered: • Software Products

#### Operating Systems, Inc. See: Logicon Inc.

#### OPOC Computing Inc. 58 Old Stewart Ave.

Garden City Park, NY 11040 (516) 741-1460 Todd Johnson, President

Total Sales FYE 9/81: \$4,000,000 Est. Computer Services Offered: . Processing

### Optimum Systems, Inc.

Portions acquired by: On-Line Business Systems & Electronic Data Systems

#### Optipro, Inc.

Box 615 Stock Exchange Tower Montreal, QU H4Z1J (514) 845-8107 Craig H. Brown, President Private

Computer Services Offered: • Software Products • Professional Services

Orbanco, Inc.

#### SUBSIDIARIES:

American Data Services, Inc. 4550 S.W. Macadam Ave Portland, OR 97201 (503) 224-9110 Jerry Crane, President

Private Total Sales FYE 12/81: \$2,771,000 Computer Services Offered: • Processing • Software

#### ORBIS Inc.

174 Armistice Blvd Pawtucket, RI 02860 (401)728-0400 Robert C Halkvard, Chairman Private Total Sales FYE 3/82: \$3,500,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Oregon Software, Inc. 2340 SW Canyon Rd.

Portland, OR 97201 (503) 226-7760 Rusty Whitney, President Private

Total Sales FYE 8/81: \$2,000,000 Est. Computer Services Offered: • Software Products

#### Organic Software

1492 Winsor Way Livermore, CA 94550 (415)455-4034 Mike Posehn, President Computer Services Offered: • Software Products

### Orr, Ken & Associates

Topeka, KS 66607 (913)233-2349 Ken Orr, President Computer Services Offered: • Software Products • Professional Services

Orr, Stewart P. & Associates 234 E Colorado Blvd, Ste 402 Pasadena, CA 91101 (213)792-0242 James N Schenck, President Private Total Sales FYE 12/81: \$1,500,000

Computer Services Offered: • Software Products

#### Osborne/McGraw-Hill

630 Bancroft Way Berkeley, CA 94710 (415) 548-2805

# Output Reporting Inc. 140 W. St. Charles Villa Park, IL 60181

(312) 530-8810

# Overfelt Company, Inc. 310 Traders National Bank Building Kansas City, MO 64106 (816) 474-6760

Charles R. Overfelt, President Computer Services Offered: • Processing • Software Products . Professional Services

#### Oxford Software Corporation 174 Blvd.

Hasbrouck Heights, NJ 07604 (201) 288-1515 Judd Shanker, President Total Sales FYE 12/81; \$5,400,000 Est. Computer Services Offered: • Software Products

SUBSIDIARIES:

#### World Wide Software Associates

174 Blvd Hasbrouck Heights, NJ 07604 (201) 288-1515 Dean Mohlstrom, Sr. Vice President

#### P A International

#### SUBSIDIARIES:

#### Pactel Inc

707 Alexander Rd Princeton, NJ 08540 (609)452-8748 John E Jarvis, President

Computer Services Offered: • Professional Services

#### P K Systems Inc.

113 North Center Bloomington, IL 61701 (309)828-6031 Computer Services Offered: • Turnkey Systems

### P.B.S. Service Corporation

33 Dartmouth St. Malden, MA 02148 (617) 321-4033

#### P.S. Programming & Systems Co. 3220 N. 3rd St.

Phoenix, AZ 85012 (602)263-9538 Computer Services Offered: • Processing • Software Products

#### P-Stat, Inc.

1101 State Rd, Bldg 4 PO Box AH Princeton, NJ 08540 (609)924-9100 Shirrell Buhler, President Private Total Sales FYE 6/81: \$300,000

Computer Services Offered: • Software Products

#### PAC Systems Inc.

16600 Sprague Road Cleveland, OH 44130 (216) 243-9966 Joseph Michini, President Private Total Sales FYE 1/80: \$250,000 Est.

Computer Services Offered: • Software Products

### Directory of Computer Services Companies

PBM Systems Inc 5212 Katella,Ste 106 Suite 208 Los Alamitos, CA 90720 (714) 891-4491

David J. Jay, President and Director

Total Sales FYE 6/82: \$250,000 Est.

Computer Services Offered: • Processing • Software
Products • Professional Services

PBS Computing
3550 North Lexington
St. Paul, MN 55112

(612) 484-8800 Darrel Gubrud, President

Private
Total Sales FYE 4/82: \$2,700,000 Est.
Computer Services Offered: • Processing • Turnkey
Systems

PCI Systems 1527 Madison Road

Cincinnati, OH 45206 (513) 751-3960 Computer Services Offered: • Software Products

PCS Data Processing Inc.

140 Cedar St. New York, NY 10006 (212) 964-4694 Stanley Berger, President

Public
Total Sales FYE 10/81: \$2,146,366
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

PDPS Computer Services

22 Mitchell Dr., E. Phoenix, AZ 85012 (602)265-5311

(602)265-5311

Computer Services Offered: • Processing • Software

Products • Turnkey Systems

PHD Systems for Computing Inc. See: AGS Computers Inc.

SUBSIDIARIES:

PRC Public Management Services, Inc

1500 Planning Research DR McLean, VA 22102 (703)556-1000 Frederick W Koehne, President Computer Services Offered: • Professional Services

PM Computer Services Co.

PMS Systems Corporation

2601 Ocean Park Santa Monica, CA 90405 (213) 450-1452 Phillip Chase, President

Private

Computer Services Offered: 
Processing Software

Products Professional Services

PRC Image Data Systems Company Merged into: Planning Research Corporation PRC Public Management Services, Inc

DDC Dealty Systems Inc

PRC Realty Systems, Inc.
See: Planning Research Corporation

PRS - The Program of the Month

Corporation

257 Central Park West New York, NY 10024 (212) 787-1526 Pierre Schwob, President

Private

Private

Computer Services Offered: • Software Products •

Professional Services • Turnkey Systems

PSA, Inc

1012 Russel St Baltimore, MD 21230 (301)539-6330 Phillip F Sheats, President

Private
Total Sales FYE 2/81: \$7,000,000
Cptr. Svcs. Revs. FYE 2/81: \$5,600,000
Computer Services Offered: • Processing

DCI

1259 Route 46,Bldg 2 Parsippany, NJ 07054 (201)335-7800 Robert Gowan, President

PSI Energy Software 14811 St Marys,Ste 150

Houston, TX 77079 (713) 496-4850 Edward Patton, President

Total Sales FYE 12/81: \$2,700,000 Est.

Computer Services Offered: • Software Products

**PSI-MED Corporation** 

350 Fisher St Costa Mesa, CA 92627 (714)979-7653 Vansel Johnson, President

Computer Services Offered: \* Software Products

**PSI-TRAN** Corporation

Private

Merged with: Science Management Corporation

PACE Applied Technology Inc.

7900 Sudley Rd. Manassas, VA 22110 (703) 369-3200

Eugene S. Leggett, President

Computer Services Offered: • Software Products

### Pace Computer Systems

6300 Classen Blvd, Ste 101 Oklahoma City, OK 73118 (405)843-0618 Dale R Rinehard, President

Computer Services Offered: • Software Products

#### Pacesetter Systems, Inc. 4141 Blue Lake Circle, Ste 132

Dallas, TX 75234 (214) 241-1328 William Hinshaw, President Private

Total Sales FYE 6/81: \$450,000 Computer Services Offered: • Software Products

#### Pacific Computer Systems

222 East 28th St. P.O. Box 1055
Long Beach, CA 90806
(714) 826-6301
Tim Jensten, President
Computer Services Offered: • Processing • Software
Products • Professional Services

#### Pacific Data Systems

701 Welch Road
Palo Alto, CA 94304
(415)328-0736
John Hubbard, President
Private
Teach Soles EVE 7/81, \$200

Total Sales FYE 7/81: \$300,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Pacific Management Systems Inc 840 Hinckley Rd.

Burlingame, CA 94010 (415)697-3813 Computer Services Offered: • Processing • Software Products

# Pacific Software Services Co. 17057 Bellflower Blvd., #205

Bellflower, CA 90706 (213) 925-2918 R. Mervyn Heaton, President

Computer Services Offered: • Software Products

#### Pactel Inc See: P A International

### Paid Prescriptions Inc.

See: Computer Sciences Corporation

#### Palanter Inc. 3900 NW 79th Avenue Miami, FL 33166

(305) 592-6055 Computer Services Offered: • Processing

#### Palm Computer Services

1325 Main St., N. Las Vegas, NV 89101 (702)386-5807

### Palo Alto Group, The Name changed to: Quasar Systems Inc.

### Pan American Systems Corporation 831 West Morse Blvd.

Winter Park, FL 32789
(305) 647-1588
Jerald T. Rish, President
Private
Computer Services Offered: • Professional Services •
Turnkey Systems

#### Pan-core Consultants Inc.

1869 Bend Dr W Bloomfield, MI 48013 (313) 879-7400 Ronald J. Laubert, President

#### Pan-National Group

#### SUBSIDIARIES:

#### Bancology P.O. Box 5591

El Paso, TX 79955 (915) 779-6480 William R. Ward, President Computer Services Offered: • Processing

#### Panatec Inc. 11450 Markon Ave

Garden Grove, CA 92641 (714)895-3855 Arvel Bowyer, President Private Total Sales FYE 6/81: \$1,500,000

Private
Total Sales FYE 6/81: \$1,500,000 Est.

Computer Services Offered: • Software Products • Professional Services

#### Panda Systems, Inc. 7080 Hollywood Bivd., No. 518

7080 Hollywood Blvd., No. 518 Los Angeles, CA 90028 (213) 469-2197 M.T. Bernstein, President

Computer Services Offered: • Software Products

#### Pansophic Systems, Inc. 709 Enterprise Drive

Oak Brook, IL 60521 (312) 986-6000 Joseph A. Piscopa, President Public

Total Sales FYE 4/82: \$35,521,906
Computer Services Offered: • Software Products

#### Pantechnic Inc. 89 Mountain Valley Rd

Oakland, CA 94605 (415)451-2366 Charles J Villa, Jr, President

Computer Services Offered: • Software Products

#### PAR Technology Corporation Seneca Plaza, Route 5

New Hartford, NY 13413 (315) 738-0600 John W. Sammon, Jr, President Public

Total Sales FYE 12/81: \$21,440,000 Cptr. Svcs. Revs. FYE 12/81: \$10,325,000 Computer Services Offered: • Professional Services

### Directory of Computer Services Companies

Para Data, Inc. 157 Burns Avenue Atherton, CA 94025

(415)327-5435 Frank Buckley, President

Private Total Sales FYE 2/81: \$5,000,000 Cptr. Svcs. Revs. FYE 2/81: \$1,000,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Para Research

Whistlestop Mall Rockport, MA 01966 (617)546-3413 Frank Molinski, President

Total Sales FYE 4/82: \$3,800,000 Computer Services Offered: . Software Products

Parallax Systems
331 West 71st St.
New York, NY 10023 (212) 873-7244 Kevin R. Weaver, President

Computer Services Offered: • Software Products

Paramin, Inc. 31 Washington St

Wellesley Hills, MA 02181 (617) 235-0495 John Mikle, President

Total Sales FYE 9/82: \$3,500,000 Computer Services Offered: • Software Products

Parish Systems, Inc. 32401 Industrial Drive

Madison Heights, MI 48071 (313) 585-7800

Park Avenue 369 Lexington Ave New York, NY 10017 (212) 697-6363

Computer Services Offered: • Processing

Parke-Randall Management Co 6728 Hillpark Dr Ste 308

Hollywood, CA 90068 (213)874-2394 Computer Services Offered: . Software Products

Parker & Associates
4701 Fletcher

Fort Worth, TX 76107 (817)429-6482 Roger Parker, Owner Computer Services Offered: . Software Products

Pascack Data Services 77 Brookside Place

Hillsdale, NJ 07642 (201) 666-3125 Joel Bauer, President Private

Total Sales FYE 1/80: \$150,000 Est. Computer Services Offered: • Software Products • Professional Services

Pascal Development Co.

10381 S. DeAnza Blvd. Suite 205 Cupertino, CA 95014 (408) 253-4280 Joseph Dahl, President

Private Computer Services Offered: • Software Products • Professional Services

Path Systems, Inc.

Portsmouth Parade Ofc Ctr 202 Portsmouth, NH 03801 Computer Services Offered: . Software Products

Patient Referral Service

1502 Arbuckle Ct. Santa Clara, CA 95050 (408) 946-3891

Pattern Analysis Recognition (PAR)

228 Liberty Plaza Rome, NY 13440 (315)336-8400 John Sammon, President Total Sales FYE 12/80; \$7,000,000 Est. Computer Services Offered: • Professional Services

Pattern Systems of NJ, Inc.

1259 Route 46,Ste 201 Parisppany, NJ 07054 (201)335-7804 Robert Gowen, President

Private Total Sales FYE 7/82: \$800,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Patton Consultants, Inc.

3699 W. Henrietta Road Rochester, NY 14623 (716) 334-2554 Joseph Patton, President

Private

Computer Services Offered: • Software Products • Professional Services

Pax Systems 1838 NE 100th

Bellevue, WA 98004 (206) 453-9301 Ben Casebolt, President Private Total Sales FYE 12/80; \$300,000 Computer Services Offered: • Software Products

Pay-Fone Systems, Inc.

11255 West Olympic Blvd. West Los Angeles, CA 90064 (213) 473-2935 Lewis Greenwood, President Public Total Sales FYE 6/82: \$4,594,058 Computer Services Offered: • Processing

### Paychex Inc.

275 Lake Ave Rochester, NY 14608 (716)647-3510 B Thomas Galisano, President

Total Sales FYE 5/82: \$15,000,000 Est.

Computer Services Offered: • Processing

#### Payday DBA The Payroll Co,Inc

605 Third St,Suite 9 San Francisco, CA 94107 (415)495-5959 Russel Holdstein, President

Total Sales FYE 7/82: \$1,000,000 Est.

# Payment and Transfer Services, Inc. (PATSI)

P.O. Box 3147 Lewiston, ME 04240 (207) 784-5478 William Kendall, President Private Computer Services Offered: • Processing

#### Payment Systems Inc.

See: American Express Company

### Payne, Bruce Consultants Inc.

New York, NY 10019 (212) 581-5500 Bruce Payne, President Private Total Sales FYE 12/81: \$1,200,000

Total Sales FYE 12/81: \$1,200,000 Cptr. Svcs. Revs. FYE 12/81: \$360,000 Computer Services Offered: • Software Products

### Paynter, E. F. & Associates

Indianapolis, IN 13204 (317)257-7561 Edwin F Paynter, President Private Total Sales FYE 3/82: \$350,000 Est. Computer Services Offered: • Software Products

### Payroll Procedures

See: Automated Procedures Corporation

#### Peachtree Software Inc.

See: Management Science America Inc.

### Pearl Data Systems

Wayne, PA 19087 (215)647-2210 Private Total Sales FYE 12/8 Computer Services Offi

Total Sales FYE 12/81: \$800,000

Computer Services Offered: • Software Products • Turnkey Systems

#### Pearlsoft

See: Relational Systems International

#### Peat, Marwick, Mitchell & Co.

345 Park Ave
New York, NY 10154
(312) 938-1000
George Chiang, Managing Director
Cptr. Svs. Revs. FYE 6/81: \$80,000,000 Est.
Computer Services Offered: 

Software Products
Professional Services

#### DIVISIONS:

#### SMITES Group 303 East Wacker Dr,28th Fl

Chicago, IL 60601
(312)938-1000
Robert J Wells, Partner
Computer Services Offered: • Software Products

#### PECA Associates of Idaho

80 Eureka Square Pacifica, CA 94044 (415) 355-2233 Wilbur Frye, Managing Partner

Computer Services Offered: • Processing • Software Products • Professional Services

#### Pegasus Systems Associates Incorporated 3501 N. MacArthur Blvd. North Gate Plaza, Suite 308

Irving, TX 75062 (214)258-0616 Blair Stephenson, President Private Total Sales FYE 3/81: \$350,000 Computer Services Offered: • Professional Services

### Pekin Insurance

2505 Court St Pekin, IL 61554 (309)346-1161

Computer Services Offered: • Software Products

#### Pelam Inc.

5145 North California St. Chicago, IL 60625 (312) 271-7354 Private

Computer Services Offered: • Processing

#### Pennington Systems Inc.

65 S. Main St. Pennington, NJ 08534 (609) 737-2727 Stephen F. Heffner, President

#### Pentamation Enterprises Inc.

entamation Enterprises Inc.
One Bethlehem Plaza
Bethlehem, PA 18015
(215) 691-3616
Jeffrey P. Feather, President
Private
Total Sales FYE 9/81: \$18,240,000 Est.
Computer Services Offered: • Processing

### Directory of Computer Services Companies

#### SUBSIDIARIES:

#### Management & Computer Services Inc.

74 Great Valley Pkwy.
Malwern, PA 19355
(215) 648-0730
Francis A. Schlegel, Jr., President
Computer Services Offered: • Processing • Software
Products

#### Medical Data Systems 2675 Junipero Blvd.

Long Beach, CA 90806 (213) 595-6451 Robert Green, President

#### Peoples Bank of Bloomington

120 North Center Street Bloomington, IL 61701 (309) 828-5211

#### Peoples Trust Bank

DIVISIONS:

#### Peoples Trust Bank Data Services

913 South Calhoun Street
Fort Wayne, IN 46802
(219) 427-8333
Gordon Johnson, Senior Vice President
Computer Services Offered: • Processing • Software
Products • Professional Services

### Peoples Trust Bank Data Services

Division
See: Peoples Trust Bank

#### Perception Technology Corp

50 Shawmut Rd Canton, MA 02021 (617) 821-0320 Computer Services Offered: • Turnkey Systems

#### Peregrine Systems Inc 15530 Rockfield Blvd,Bldg C Irvine, CA 92714

(714)855-3923

Computer Services Offered: • Software Products

### Performance Development Corporation

1101 State Rd., Bldg. N Princeton, NJ 08540 (609) 921-8770 Karen Guth, President

#### Performance Systems, Inc.

30 Courthouse Square Rockville, MD 20850 (301) 762-0300 John Wintermute, President Private

Private
Total Sales FYE 12/81: \$1,250,000 Est.
Computer Services Offered: 

Software Products
Professional Services

#### Perkin-Elmer Corporation

#### DIVISIONS:

### Interdata

2 Crescent Place Oceanport, NJ 07757 (201) 229-4040 Daniel Sinnott, President

#### Personal Computer Management Corp

DIVISIONS:

#### Ministry Management Systems

1171 Sonora Ct Sunnyvale, CA 94086 (408) 732-9222 John Nesheim, President Private Total Sales FYE 7/82: \$1,000,000 Est.

Computer Services Offered: . Turnkey Systems

#### Personal Software Inc

Name changed to: VisiCorp

#### Personal Systems Technology Inc

22957 LaCadena, Laguna Hills, CA 92653 (714)859-8871 Computer Services Offered: • Software Products

#### Personalized Computer Systems

501 South 1st St, Ste E Arcadia, CA 91006 (213)574-1877 Donald C. Jones, President

#### Personnel Data Systems, Inc. White Marsh Plaza 15 East Ridge Pike

Conshohocken, PA 19428
(215) 828-4294
Steve Brody, President
Private
Total, Sales FYE 3/82: \$4,500,000
Computer Services Offered: • Processing • Software

#### Personnelmetrics, Inc. 1001 6th Ave

Products

New York, NY 10016 (212)398-0348 Richard Traum, Prosident Private Total Sales FYE 6/81: \$1,000,000 Est. Computer Services Offered: • Processing • Software Products

#### Petroleum Data Corporation 1101 State Road Building D

Princeton, NJ 08540 (609) 924-7200 Philip Abrams, President Private Total Sales FYE 10/81: \$8,000,000 Est. Computer Services Offered: • Processing • Turnkey

Computer Service Systems

#### Petroleum Data Systems, Inc.

P.O. Box 18308 Denver, CO 80218 (303) 839-5487 Thomas F. Laird, President

#### Petroleum Software Systems

8001 S Interstate 35,Ste 101 Oklahoma City, OK 73149 (405) 636-1587 Ken Stith, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Petroleum Software, Inc.

See: Garies Engineering Petroleum Consultants, Inc.

#### Phaedra Inc

Name changed to: Applied Business Technologies, Inc

#### Pharmaceutical Card Systems, Inc. See: Foremost McKesson

#### Pharmacon

See: International Medical Statistics

#### PharmAssist Inc.

Name changed to: Pharmacon

#### Pharos, Inc.

PO Box 43206 St. Paul, MN 55113 (612) 484-8336 Peter Phelps, President Private Computer Services Offered: • Processing • Professional Services

\_\_\_\_\_

### Phase One Systems Inc.

7700 Edgewater Dr.Ste 830
Oakland, CA 94621
(415)562-8085
Howard Sidorsky, President
Total Sales FYE 7/82: \$5,000,000 Est.
Computer Services Offered: \* Software Products

#### Philadelphia National Bank

#### SUBSIDIARIES:

#### Colonial Mortgage Service Company

Colonial Mortgage Service Con 7320 Old York Rd Philadelphia, PA 19126 (215)782-2180 Gerald R Longworth, Vice President Computer Services Offered: • Processing

### Phoenix Computer Corp.

11949 Jefferson, Stc. 103 Culver City, CA 90230 (213) 827-4500 Computer Services Offered: • Software Products

### Phoenix Computing Services

3434 Indian School Rd., E. Phoenix, AZ 85018 (602)956-2000 Computer Services Offered: • Processing

# Phoenix Data Processing 710 E Ogden Ave.Ste 202

Naperville, IL 60540 (312)357-8600 Robert F Grabe, President Private Total Sales FYE 11/82: \$650,000 Computer Services Offered: • Processing

#### Phoenix Systems, Inc. 1106 Ohio River Blvd.

Sewickley, PA 15143 (412)741-8330 R. Bruce McKee, President Total Sales FYE 11/80: \$1,000,000 Est. Computer Services Offered: \* Software Products \* Turnkey Systems

### Photo Data Inc.

419 7th Street N.W.
Washington, DC 20004
(202) 783-1010
F. Scott Watkins, President
Public
Total Sales FYE 12/81: \$1.675,000
Computer Services Offered: • Processing • Software
Products • Professional Services

### SUBSIDIARIES:

#### Offset Composition Services

419 7th St. NW
Washington, DC 20004
(202) 783-1010
F.S. Watkins, President
Computer Services Offered: • Processing

#### PHUTZ\$ Inc.

#### DIVISIONS:

#### ELS Systems Engineering

P O Box 12415 Cleveland, OH 44112 (216) 321-8303 Dave Boylan, President

#### Physicians Practice Management Inc

1810 South Lynburst/Sie Q Indianapolis, IN 46241 (317) 248-0357 William Noel, President Private Total Sales FYE 1/82: \$330,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkev Systems

#### Physics International Company

See: Rock Cor

# Directory of Computer Services Companies

# PIBSCO

P.O. Box 516 Addison, TX 75001 (214) 387-9992

# Pillan Data Service

180 Main St. Stoneham, MA 02180 (617) 438-5670 John Pillan, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Pinellas Keypunch Service

Acquired and merged with: Area Computing Services

# Pinkerton Computer Consultants 4 Neshaminy Interplex Suite 111

Trevos, PA 19047
(215) 676-3100
William D. Pinkerton, President
Private
Total Sales FYE 12/81: \$12,000,000
Computer Services Offered: 

Professional Services

#### Pioneer Data Systems

DIVISIONS:

### Impact Services

P.O. Box 184 Johnston, IA 50131 (515) 245-3501 Al Miller, President

## Pioneer Software, Inc

See: Dickey Grabler Company, The

### Planmetrics Inc.

See: Planning Decisions Group

### Planning & Control Inc.

201 E 25th Street
New York, NY 10010
(212) 679-5662
John Censor, Managing Partner
Private
Total Sales FYE 3/81: \$195,000 Est.
Computer Services Offered: • Professional Services

### Planning Decisions Group Inc.

SUBSIDIARIES:

#### Decision Products Services, Inc.

300 Unicorn Park
Woburn, MA 01801
(617) 933-3000
Powers Cameron, President
Total Sales FYE 12/82: \$3,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

### Planmetrics Inc.

5320 Sears Tower 233 S. Wacker Drive Chicago, IL 60606 (312) 876-27000 Gary L. Neale, President Total Sales FVE 12/81: \$10,345,000 Computer Services Offered: \* Processing \* Software Products \* Professional Services

#### SUBSIDIARIES:

#### **Energy Management Associates**

100 North Creek
Atlanta, GA 90327
(404) 261-5256
Frank J. Reese, President
Computer Services Offered: • Software Products •
Professional Services

# Planning Research Corporation

1500 Planning Research Dr McLean, VA 22102 (703)556-1000 John M. Toups, Chairman Public

Total Sales FYE 6/82: \$324,134,000 Cptr. Svcs. Revs. FYE 6/82: \$153,342,000 Computer Services Offered: • Processing • Software Products • Professional Services

#### SUBSIDIARIES:

#### PRC Realty Systems, Inc.

1500 Planning Research Dr McLean, VA 22102 (703)556-1000 John Corse, President Computer Services Offered: • Processing

# Plansmith Corporation

Palatine, IL 60067 (312)359-4045 Craig Hartman, President Private Total Sales FYE 7/81: \$1,000,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### Players Computer

140 Adams Blvd. Farmingdale, NY 11735 (316) 694-4660 Christian Kropac, President Private Total Sales FYE 3/81: \$7,000,000 Est. Computer Services Offered: • Processing

### Plus Computer Technology

See: Wilson Jones

# Plycom Services

See: Young Door Company

### Point 4 Data Corp.

2659 McCabe Way Irvine, CA 92714 (714) 754-4114 Paul M. Davies, President

Total Sales FYE 3/81: \$9,600,000

Cptr. Svcs. Revs. FYE 3/81; \$2,688,000 Computer Services Offered: . Software Products . Turnkey Systems

#### Poise Company Inc.

201 North Nevada Roswell, NM 88201 (505) 623-8554 Dan Kinnard, President

Computer Services Offered: • Software Products

## Police Data Systems

6500 Dublin Blvd.Ste 215 Dublin, CA 94568 (415)828-7100

Robert Goodwin, President

Total Sales FYE 7/82: \$1,000,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

# Policy Management Systems (PMS) 1321 Lady Street PO Box 10 Columbia, SC 29201

(803) 748-2000 G. Larry Wilson, President Public

Total Sales FYE 12/81: \$32,690,000 Computer Services Offered: . Processing . Software Products • Professional Services

#### Polymorphic Computer Systems

P.O. Box 3581 Boulder, CO 80307 (303) 422-1182 Bruce K. Ray, President

Private Computer Services Offered: • Software Products

### Polytechnic Associates, Inc.

2824 W. George Mason Road Falls Church, VA 22042 (703) 533-2826 P. Willis, President Private

Pomona 1st Fed. Savings & Loan & Santa Fe Fed. Savings & Loan

SUBSIDIARIES:

Data Line Service Company 885 S. Village Oaks Dr. Covina, CA 91724 (213) 339-9011 Norman Salveson, President Total Sales FYE 12/80: \$1,000,000 Est. Computer Services Offered: • Processing

### Poorman-Douglas Corporation

1325 Southwest Cus Portland, OR 97219 (503) 245-5555

John Douglas, President

Private Total Sales FYE 12/81: \$12,800,000 Est. Cptr. Svcs. Revs. FYE 12/81: \$12,500,000 Est. Computer Services Offered: • Processing • Turnkey

#### Popular Services

SUBSIDIARIES:

#### Compass Data Services

128 Dayton Avenue Passaic, NJ 07055 (201) 471-4300 Joseph Salerno, President
Total Sales FYE 2/80: \$1,000,000 Est.
Computer Services Offered: • Processing

### Postal Data Corporation

See: Minute Man Mailers

# Potomac Research, Inc. Merged with Electronic Data Systems Corporation

Potomac Scheduling Company 6400 Goldsboro Rd. Bethesda, MD 20034 (301) 229-8880 David Labovitz, President

Computer Services Offered: • Software Products • Professional Services

Powell, Marcus Associates 1736 Franklin St Oakland, CA 94612 (415)893-7598

Marcus Powell, President
Computer Services Offered: 
Software Products

# Power Management See: Industry Data Services

# Power Technologies Inc. (PTI)

P.O. Box 1058 Schenectady, NY 12301 (518) 374-1220

#### Practical Business Systems Inc

1801 Hicks Rd,Ste E Rolling Meadows, IL 60008 (312)359-6066 Donn W Sanford, President Computer Services Offered: . Software Products

Practical Management Consulting, Inc. 3925 Rochester Road Royal Oak, M1 48073 (313) 588-8110 Thomas Lequier, President

Private Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Praxa Corporation See: Xerox Corporation

# Directory of Computer Services Companies

#### Precision Visuals, Inc.

250 Arapahoe Ave Boulder, CO 80302 (303) 449-0806

James R. Warner, President

Total Sales FYE 12/81: \$1,500,000 Computer Services Offered: . Processing . Software Products • Professional Services

#### Prestige Software Analysts, Inc.

209 Harvard Ave Westville, NJ 08093 (609) 456-0242

Computer Services Offered: . Software Products

#### Price Waterhouse & Co.

1251 Avenue of the Americas New York, NY 10020 (212) 489-8900 Cptr. Svcs. Revs. FYE 7/81: \$13,600,000 Est. Computer Services Offered: • Professional Services

Prime Computer Inc.

Prime Park Natick, MA 01760 (617) 655-8000

Public

SUBSIDIARIES:

#### Compeda Inc.

Paramus Plaza 1,RT 17 North 140 Rt. 17 North Paramus, NJ 07652 (201) 967-5710 Gilford Aisbitt, President Total Sales FYE 3/82: \$5,900,000 Computer Services Offered: • Software Products

#### Prime Factors

6529 Telegraph Ave, Ste. B Oakland, CA 94609 (415)654-5090 Michael Schwartz, President Private

Total Sales FYE 12/80: \$225,000 Computer Services Offered: . Software Products . Professional Services

#### Princeton Software Co, The

PO Box 1317 Princeton, NJ 08540 (609) 683-0044 Computer Services Offered: . Software Products

### Pritsker & Associates, Inc.

P.O. Box 2413 West Lafayette, IN 47906 (317) 463-5557 David Wortman, Executive Vice President Computer Services Offered: . Software Products . Professional Services

# PRO Systems

6561 Gillis Dr. San Jose, CA 95120 (408) 997-1776

### Processing Center Inc., The

10300 West Office Dr.Ste 700 Houston, TX 77042 (713)972-1015 Jon Wiegand, President Computer Services Offered: • Processing

### Processing Management Systems (PMS)

2269 Desert Cove, W Phoenix, AZ 85029 (602)944-6100 Private

Total Sales FYE 7/82: \$3,000,000 Est. Computer Services Offered: • Processing

#### Processor Innovations

1 Main St,Room 402 Eatontown, NJ 07724 (201) 542-6500 Daniel Udovic, President Private Computer Services Offered: . Software Products . Professional Services

#### Prodata Computer Services

2333 Western Ave. Seattle, WA 98121 (206) 682-4120

Prodigy Systems Inc. 479 Lincoln Highway Iselin, NJ 08830 (201) 282-2000 Lawrence J. Stein, President Total Sales FYE 12/81: \$3,900,000 Computer Services Offered: . Turnkey Systems

#### SUBSIDIARIES:

Computer Mart of New Jersey, Inc. 501 Route 27

Iselin, NJ 08830 (201)283-0600 Lawrence J. Stein, President Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Product Group, Inc.

90 Tanglewylde Ave Bronxville, NY 10708 (914) 779-2390 Adam T. Block, President Private Total Sales FYE 7/81: \$275,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Productive Computer Systems 233 N Michigan Ave,Ste 1409 Chicago, IL 60614

(312)565-2244 Dennis LaPidus, President Private

Total Sales FYE 4/82: \$600,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

## Productivity Equals Profits (PEP)

17370 Brea Blvd. Suite 224 Fullerton, CA 92635 (714) 992-5289

#### Professional Automated Service

5325 Northwest 77th Ave Miami, FL 33166 (305) 592-8470 Don Masc, President

#### Professional Billing Corporation

219 West Morehead Street Charlotte, NC 28202 (704) 375-4541 Robert T. Brownridge, President Computer Services Offered: • Processing

SUBSIDIARIES:

#### Professional Credit Association

219 W. Morehead Street Charlotte, NC 28202 (704) 375-4541 Robert T. Brownridge, President Computer Services Offered: . Processing

#### Professional Business Management Inc Name changed to: PBM Systems, Inc.

### Professional Business Industries Inc.

5600 N May Ave, Ste 185 Oklahoma City, OK 73112 (405)843-3500 Computer Services Offered: • Software Products

#### Professional Business Software

119 Fremont St San Francisco, CA 94105 (415)546-1596 Computer Services Offered: • Software Products

# Professional Computer Solutions Inc.

3733 University Blvd. West Suite 105 Jacksonville, FL 32217 (904) 733-6248 Ernest Harden, President Computer Services Offered: • Processing • Software Products . Professional Services

#### Professional Computer Resources, Inc. 2021 Midwest Rd.

Oakbrook, IL 60521 (312) 923-2200 Jeff Carr, President Total Sales FYE 7/81: \$6,000,000 Computer Services Offered: • Software Products • Professional Services

# Professional Computer Management

Name changed to: Data Flow, Inc.

#### Professional Computer Services 2321 East 28th Street

Long Beach, CA 90806 (213) 426-9561 Robert A. Goodman, President Private

Total Sales FYE 12/81: \$3,000,000

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Professional Computer Systems 1901 Medi Park Place Suite 10 Amarillo, TX 79106

(806) 358-2426 Scott Doores, President Private Total Sales FYE 5/80: \$1,000,000 Cptr. Svcs. Revs. FYE 5/80: \$750,000

Computer Services Offered: • Processing • Turnkey

# Professional Consulting Services of

Georgia Inc 3020 Atlanta St Atlanta, GA 30080 (404)432-3833 Computer Services Offered: • Professional Services

#### Professional Credit Association See: Professional Billing Corporation

#### Professional Data Management See: Trionic International, Inc.

# Professional Data Services 345 Fifth St. NE

Barkerton, OH 44203 (216) 753-8128 Frank Martier, President Private Computer Services Offered: • Processing • Professional

# Professional Data Systems

2001 Hammond St.

Bangor, ME 04401 (207)862-4055 Bernhoff A. Dahl, President Total Sales FYE 2/81: \$750,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

# Professional Geophysics Inc. 2400 City National Bank Tower Oklahoma City, OK 73102

(405)236-5481 William E Dulaney, President
Computer Services Offered: 

Processing

#### Professional Health Research See: Health Systems Institute

# Professional Hospital Services See: American Medical International Inc.

# Professional Programming Systems

1901 Nedi-Park Pl., Ste. 10 Amarillo, TX 79106 (806)358-2426 Computer Services Offered: • Software Products

# Directory of Computer Services Companies

#### Professional Software Systems

Acquired and merged with Informatics General Corporation

### Professional Systems Corporation

87-89 Valley Road Montclair, NJ 07042

(201) 783-6800 Frank M. Downey, Jr., Chairman

Private

Computer Services Offered: • Processing • Professional Services

#### Profimatics Inc.

77 Rolling Oaks Dr.
Thousand Oaks, CA 91361
(805)496-6661
Thomas M. Stout, President

Total Sales FYE 12/81: \$2,338,600 Cptr. Svcs. Revs. FYE 12/81: \$1,403,160 Computer Services Offered: • Software Products •

Professional Services

# Profit Control Systems See: Heidelberg Eastern Inc.

# Sec. Holdelooig Lastern Inc

Profit Group, The
7 S. La Grange Rd.
La Grange, IL 60525
(312) 579-5599
Emil Bohach, President
Private

Total Sales FYE 8/80: \$200,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Profitool, Inc.

1777 S Harrison, Ste 505 Denver, CO 80210 (303)758-8820 Gary Tamblyn, President trivate

Total Sales FYE 6/82: \$1,200,000

Computer Services Offered: • Processing • Software

Products • Turnkey Systems

#### Proform Software, Inc.

1524 Henry St. Berkeley, CA 94709 (415) 526-4035 John Medcalf, President

Computer Services Offered: . Software Products

#### Program Control Corporation

7120 Hayvenhurst Avenue Suite 401 Van Nuys, CA 91406 (213) 782-2900 Francis M. Kavanagh, President Private

Computer Services Offered: • Professional Services •

Turnkey Systems

# Program Design Inc.

Greenwich, CT 06830 (203) 661-8799 John Victor, President

Total Sales FYE 2/80: \$150,000 Est.

Computer Services Offered: 

Software Products

### Program Products, Inc.

See: Information Science, Inc.

## Program Systems, Inc

2100 Data Park, Ste 205 Birmingham, AL 35244 (205)942-2068 J. Gary Bishop, Jr, President

Private
Total Sales FYE 1/82: \$500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### Programart Corporation

See: Computer System Architects, Inc.

### Programatics, Inc.

See: Trident Data Systems

# Programmed Business Systems Name changed to: PBS Computing

# Programmed Closing Systems, Inc. (PCS)

# Acquired and merged with: Cumberland Software Inc

# Programmed Control Corporation 2 East Broad Street

Hopewell, NJ 08525 (609) 466-2100 John E. Meggitt, President

Computer Services Offered: • Turnkey Systems

# Programmed Proprietary Systems Name changed to ADP Tax Service

## Programmed Systems Inc

90 Bagby Dr,Ste 305 Birmingham, AL 35209 (205)942-2068 J Gary Bishop, President Computer Services Offered: • Software Products

#### Programming Services, Inc.

939 James
Wyandotte, MI 48192
(313) 285-0228
Paul M. Showalter, President
Computer Services Offered: 

Professional Services

#### Programs & Analysis, Inc. See: Puritan Fashions Corp.

Progressive Farmer Corporation

#### SURSIDIARIES:

### **AKRA Data Corporation**

500 Office Park Dr Birmingham, AL 35223 (205)877-6000 Jerry Hutchinson, President Private

Total Sales FYE 11/81; \$2,000,000 Est. Computer Services Offered: • Processing

### Project Software & Development, Inc.

14 Story St. Cambridge, MA 02138 (617) 661-1444 Robert L. Daniels, President

Total Sales FYE 12/80: \$6,500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Promedics Data Corporation 1032 Elwell Ct,Ste 240 Palo Alto, CA 94303

(415)961-2401 Robert C Brehm, President Computer Services Offered: • Software Products • Turnkey Systems

# Proprietary Computer Systems, Inc. See: CISI Group

#### Proprietary Software Systems, Inc. 9911 West Pico Blvd. Penthouse K

Los Angeles, CA 90035 (213) 553-2997 Joel Fleiss, President Private Total Sales FYE 6/82: \$1,100,000 Computer Services Offered: • Software Products

## Proteus Systems Inc.

21601 Devonshire St.Ste 116 Chatsworth, CA 91311 (213)700-9964 Computer Services Offered: • Processing

#### Provident National Bank

SUBSIDIARIES:

#### Johnson Computing Inc.

P.O. Box 7976 Philadelphia, PA 19101 (215) 585-6660 James Shoaff, President Computer Services Offered: • Processing

#### Proximity Devices Corporation

5353 North Federal Highway Fort Lauderdale, FL 33308 (305) 556-3511 Computer Services Offered: • Software Products

#### Prudential Group

#### SUBSIDIARIES:

#### Teldata Systems Corporation 90 Broad Street

New York, NY 10004 (212) 248-9200 William M. Sheeser, President Total Sales FYE 7/81: \$5,000,000
Cptr. Svcs. Revs. FYE 7/81: \$2,500,000
Computer Services Offered: • Processing • Software Products . Turnkey Systems

Pryor Corporation 400 N. Michigan Avenue Chicago, IL 60611 (312) 644-5650 W. Lee Pryor, President Private Total Sales FYE 9/82: \$45,000,000 Cptr. Svcs. Revs. FYE 9/82: \$1,500,000 Computer Services Offered: • Processing • Turnkey

#### Psych Systems, Inc 600 Reistertown Rd

Baltimore, MD 21208 (301)486-2206 Jerome J. Coller, President Total Sales FYE 11/81; \$2,097,318 Computer Services Offered: • Turnkey Systems

#### Pubco

#### SUBSIDIARIES:

# Merkle Computer Systems Inc.

11200 Prospect Hill Road Glendale, MD 20769 (301) 262-6700 Harvey Blanton, President

Computer Services Offered: 

Processing

### Pugh-Roberts Associates, Inc.

3 Lee Street Cambridge, MA 02139 (617) 864-8880 Edward B. Roberts, President Computer Services Offered: • Software Products

# Pulsar Systems Inc 1259 Route 46,Bldg 2

Parsippany, NJ 07054 (201)335-5600 Carl M Dula, President Private Total Sales FYE 12/81: \$1,500,000

Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Punch Card Processing Co. 6875 New Hampshire Ave

Takoma Park, MD 20012 (301)270-1887 Computer Services Offered: . Processing

#### Puritan Fashions Corp.

# Directory of Computer Services Companies

#### SUBSIDIARIES:

### Programs & Analysis, Inc.

21 Ray Avenue Burlington, MA 01803 (617) 272-7723 Paul J. Brighton, President
Total Sales FYE 1/81: \$5,950,000
Cptr. Svcs. Revs. FYE 1/81: \$5,355,000 Computer Services Offered: • Processing

Puter Associates 345 Whitney Ave. New Haven, CT 06511 (203) 562-2101 Ronald Mills, President

Computer Services Offered: • Processing • Software Products • Turnkey Systems

#### Pvcco Computer Systems, Inc.

710 E. Ogden, Suite 201 Naperville, IL 60540 (312) 961-2262 Louis H. Haberbeck, Jr., President

## O-Data Corporation

2035 Westwood Blvd Los Angeles, CA 90025 (213)475-6006

### Qmetrics, Inc.

The Empire State Bldg, Ste 150 350 Fifth Ave. New York, NY 10118 (212) 564-8110 William R. Frank, President

Total Sales FYE 12/80: \$750,000 Est. Computer Services Offered: • Professional Services • Turnkey Systems

# QUAD Corporation 1852 Dale Avenue

Highland Park, IL 60035 (312) 432-3210 Harold Rafson, President

Computer Services Offered: • Software Products • Professional Services

### Quadra Systems 4414 Centerview, Ste 220 San Antonio, TX 78228

(512)736-4600 Barry Engelbrecht, Vice President Total Sales FYE 7/81: \$1,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### **Ouadrex Corporation**

1700 Dell Ave Campbell, CA 95008 (408)866-4510 Sherman Naymark, President Total Sales FYE 1/82: \$74,420,000
Cptr. Svcs. Revs. FYE 1/82: \$2,000,000 Est.
Computer Services Offered: • Software Products • Professional Services

### Quadstar Corporation

Services

12700 Preston, Suite 145 Dallas, TX 75230 (214)980-9601 Jack Chang, President Private Total Sales FYE 6/82: \$2,500,000 Computer Services Offered: • Processing • Professional

### **Ouality Educational Development** See: Automated Business Systems Inc.

**Quality Information Center Inc** 

1374 Richmond Rd. Staten Island, NY 10305 (212) 987-0893

#### Quality Stationers & Printers, Inc. 4155 West 123rd Street

Alsop, IL 60653 (312) 821-1600 Richard Strand, President Private

# Quality Systems 875 N. Michigan Ave. Suite 2510

Chicago, IL 60611 (312) 266-6060 Gregory M. Lancaster, President Total Sales FYE 12/81: \$1,600,000 Est. Computer Services Offered: • Software Products •

# Professional Services **Ouanex Corporation**

### SUBSIDIARIES:

### Quanex Management Sciences

2777 Franklin Road Suite 1000 Southfield, MI 48076 (313) 353-7200 E.H. Dzumaryk, President Cptr. Svcs. Revs. FYE 10/80: \$6,000,000 Est.

Computer Services Offered: • Processing • Professional Services

#### SUBSIDIARIES:

#### Quanex-NCI, Inc. 3720 Longview Dr.

Chamblee, GA 30341 (404) 451-7455 Frank II. Beck President

#### Quanex Management Sciences See: Quanex Corporation

Quanex-NCI, Inc. See: Quanex Corporation

### Quanta Corporation

DIVISIONS:

# Quanta Data Processing Inc. 3229 Carondelet St.

New Orleans, LA 70115 (504) 891-2808 Michael A. Berenson, President Private Computer Services Offered: • Processing

### Ouanta Data Processing Inc. See: Quanta Corporation

### QuanTeckna Research Corp

6902 220th SW Mountlake Terrace, WA 98043 (206)771-2488 Joseph E Rehfeld, President

Private Total Sales FYE 8/82: \$400,000 Est. Computer Services Offered: • Software Products

## Quantitative Software Management, Inc.

1057 Waverly Way McLean, VA 22101 (703) 790-0055 Lawrence H. Putnam, President

Private Total Sales FYE 6/81: \$450,000 Est.

Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

## Ouantum Computer Services

300 Park Ave. South New York, NY 10010 (212) 254-9700 Paul E. McArdle, President

Computer Services Offered: • Processing

#### Quantum Research

28200 Ridgefern Ct Rancho Palos Verdes, CA 90274 (213)541-4433 Computer Services Offered: . Turnkey Systems

#### **Quark Engineering** 1433 Williams, Ste 1102

Denver, CO 80218 (303) 399-1096 Computer Services Offered: • Software Products

# Quasar Systems Inc. See: Quasar Systems Ltd.

### Quasar Systems Ltd.

SUBSIDIARIES:

Quasar Systems Inc. 20370 Town Center Ln., Ste 150 Cupertino, CA 95014 (408)725-1282 John A. Damn, Jr., President Private

Total Sales FYE 12/80: \$250,000 Est. Computer Services Offered: • Processing • Software Products . Professional Services

30 Professional Center Pkwy. Suite B San Rafael, CA 94903 (415) 479-0600

Darrel Ticehurst, President Private

Total Sales FYE 12/81: \$700,000 Est. Computer Services Offered: . Software Products

#### Ouic-N-Easi Products, Inc.

136 Granite Hill Cou Langhorne, PA 19047 (215) 968-5966 R. W. Roth, President Private

Computer Services Offered: • Software Products

#### Ouick-Tax Ltd 319 Clawson St

New York, NY 10306 (212)311-6143 Computer Services Offered: • Software Products

#### **Quill-Tronic Systems** 3060 Main St

Stratford, CT 06497 (203) 375-9218 Lawrence G. Mooney, President Private

Total Sales FYE 5/80: \$300,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

Quodata Corporation 196 Trumbull Street Hartford, CT 06103 (203) 728-6777 Myron E. Congdon, President Total Sales FYE 12/80: \$2,000,000 Computer Services Offered: • Professional Services • Turnkey Systems

#### **Quotron Systems Inc.** 5454 Beethoven

Los Angeles, CA 90066 (213) 398-2761 Milton E. Mohr. President Public Total Sales FYE 12/81; \$88,120,000 Cptr. Svcs. Revs. FYE 12/81: \$79,284,000
Computer Services Offered: • Processing • Professional

#### Quotron Systems Inc. & Continental Corporation

SUBSIDIARIES:

# Insurnet, Inc

Emeryville, CA 94608 (415)652-3771 John Stevens, President Computer Services Offered: • Processing

R. A. Consulting Group

### 11659 Arminta

N. Hollywood, CA 91605 (213) 764-0442 Richard E. Stowe, President

# Directory of Computer Services Companies

R.A.I.R.

465 Castro Street Mountain View, CA 94041 (415) 964-0413 Jerry Seehof, President

Private
Total Sales FYE 2/81: \$1,000,000 Est.

Computer Services Offered: • Processing • Turnkey

R.D.P. Computer Services 12075 East 40th Denver, CO 80239

Denver, CO 80239 (303) 373-4510 T. Crawford Love, President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

R&B Computer Systems

See: DIMIS, Inc.

R&L Datacenters Inc.

P O Box 1, 44 Main St Bloomsbury, NJ 08804 (201) 479-4171 Robert A. Angell, President

RAC Information Systems

11 Middle Neck Rd. Great Neck, NY 11022 (212) 355-1979

Computer Services Offered: • Processing

RAI Business Systems Inc

130 Route 22 North Plainfield, NJ 07060 (201) 561-9100 James Remo, President

Computer Services Offered: • Software Products • Turnkey

RCO Corp

601 San Pedro
Albuquerque, NM 87198
(505)266-5811
Computer Services Offered: • Software Products

RD Labs Inc.

1010 Hurley Wy Sacramento, CA 95825 (916)927-2287

Computer Services Offered: • Software Products

RDA, Inc.

Beltsville, MD 20705 (301) 937-2215 W. Ronald Davies, Chairman Private

Total Sales FYE 2/80: \$2,000,000 Est.
Cptr. Svcs. Revs. FYE 2/80: \$1,400,000 Est.
Computer Services Offered: • Software Products • Turnkey
Systems

RJE Data Processing Business Systems
4738 West Peterson

4/38 West Peterson Chicago, IL 60646 (312) 286-0441 RLG Corporation

See: Computer Consoles, Inc.

RNAA Software Systems

2610 50th Street Lubbock, TX 79413 (806) 792-4703

Computer Services Offered: • Software Products

RNB Computer Services Inc.

141 East Market Street Harrisonburg, VA 22801 (703) 434-9966 C. Sheldon Layman, President

ROH

3456 Camino Del Rio North San Diego, CA 92108 (714) 280-8100 Total Sales FYE 7/80: \$1,800,000 Est. Computer Services Offered: • Processing • Software Products

ROI Consulting Inc.

See: Teknekron Industries

RTC Systems, Inc

55 Plain St North Attlebor, MA 02760 (617) 695-5008

Computer Services Offered: • Software Products

RTR Software

4171 N Mesa El Paso, TX 79902 (915)544-4397 Clay Burch, President Private

Total Sales FYE 3/81: \$300,000 Est.

Computer Services Offered: • Software Products

RWB Associates 17621 Irvine Blvd., Ste 214

Tustin, CA 92680 (714)963-0502 Robert W. Blackman, President Private

Total Sales FYE 3/81: \$1,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Racal Electronics Ltd

SUBSIDIARIES:

Racal-Redac, Inc. One Redac Way

One Redac Way
Littleton, MA 01640
(617) 486-3529
H. Gene Marsh, President
Total Sales FYE 3/81: \$7,000,000
Computer Services Offered: • Turnkey Systems

Racal-Redac, Inc.
See: Racal Electronics Ltd.

Radian Corporation 8500 Shoal Creek Blvd. Austin, TX 78766

Austin, TX 78766 (512) 454-4797 Computer Services Offered: • Software Products

Radio Computing Services Inc.

See: Systems and Programming International Inc.

Radix Systems Corp.

675 Massachusetts Ave. Cambridge, MA 02139 (627) 354-4015 John LeTowt, President

Computer Services Offered: • Turnkey Systems

Ram Business Systems

7 Earle Gables Court Mount Penn, PA 19606 (215) 779-7940

Ramtek Corporation

2211 Lawson Lane Santa Clara, CA 95050 (408) 988-2211

RANAC Computer Corp.

177 W Carmel Dr.
Carmel, 1N 46032
(317) 844-0141
Peter G. Fruchman, President
Computer Services Offered: • Software Products

Rand Computation Center

1700 Main Street Santa Monica, CA 90406 (213) 393-0411 Jerry Koory, President

Rand Information Systems, Inc.

98 Battery Street San Francisco, CA 94111 (415) 392-2500 E. Donald Shapiro, Chairman Public

Total Sales FYE 2/82: \$15,935,000

Cptr. Svcs. Revs. FYE 2/82: \$15,268,000

Computer Services Offered: • Processing • Professional Services

DIVISIONS:

Rand Travel Agency Services

480 California Ave. Palo Alto, CA 94305 (415) 328-6966 Janice Simpson, Manager Rand Systems Corp 5600 W Maple Rd, Ste B212 West Bloomfield, M1 48033 (313) 661-5757

(313) 661-5757

Computer Services Offered: • Software Products

Rand Travel Agency Services

See: Rand Information Systems, Inc.

Randco Keypunch Service 3222 Beaumont

Temple Hills, MD 20748 (301)423-7989 Carol Paris, President Computer Services Offered: • Processing

Randolph Technical Services, Inc.

PO. Box 260 214 Main St., S.
Randolph, MA 02368
(611)986-520
Paul J. Wilczynski, President
Private
Total Sales FYE 6/81: \$250,000 Est.
Computer Services Offered: • Professional Services

Rans Micro Systems, Inc

2233 Bailey Ave
San Jose, CA 95128
(408)998-7118
Computer Services Offered: • Software Products

Rapid Data Inc. 215 North 5th Street

Redlands, CA 92373 (714) 793-2855 M. J. Hollinger, President Private

Computer Services Offered: • Processing • Turnkey Systems

Rapidata, Inc.

See: National Data Corporation

Rapp Industries, Inc. 683 Lafayette

Hawthorne, NJ 07507 (201)423-4097

Rath & Strong Software See: Rath & Strong, Inc.

Rath & Strong Systems Products, Inc

See: Rath & Strong, Inc.

Rath & Strong, Inc.

21 Worthen Road

21 Worthen Road Lexington, MA 02173 (617) 861-1700 Private

# Directory of Computer Services Companies

#### SUBSIDIARIES:

#### Rath & Strong Software 20 Worthen Road

Lexington, MA 02173 (617) 861-1700 Arnold R. Putnam, President Total Sales FYE 5/80: \$1,000,000 Est. Computer Services Offered: • Software Products • Professional Services

Rath & Strong Systems Products, Inc 14901 Quorum Drive, Ste 600 Dallas, TX 75201 (214)980-0647

Woodrow W. Chamberlain, President Computer Services Offered: • Software Products • Professional Services

# Rational Data Systems (RDS) 205 East 42nd Street

New York, NY 10017 (212)697-5855 Douglas R. Kaye, President

Total Sales FYE 9/80: \$250,000 Computer Services Offered: • Software Products

### Raven Systems and Research, Inc.

500 East St. SW Washington, DC 20024 (202) 479-2000 Raymond Mott, President

Total Sales FYE 9/81: \$8,900,000 Est. Computer Services Offered: • Processing • Professional

Raxco Inc. 6520 Powers Ferry Rd., Ste 200 Atlanta, GA 30339 (404) 955-2553 Jacqueline Maloney, President

Total Sales FYE 12/80: \$2,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Raytheon Company

#### SUBSIDIARIES:

#### Seismograph Service Corp.

6200 E. 41st St Tulsa, OK 74102 Total Sales FYE 12/81: \$291,000,000 Cptr. Svcs. Revs. FYE 12/81: \$56,000,000 Computer Services Offered: • Processing

#### Reader's Digest Association

#### SUBSIDIARIES:

#### Source Telecomputing Corp.

1616 Anderson Road McLean, VA 22102 (703) 734-7500 Robert V. O'Brien, President Computer Services Offered: • Processing • Software

#### DIVISIONS:

#### Reader's Digest Services

Pleasantville, NY 10570 (914) 769-7000

Computer Services Offered: • Software Products

### Reader's Digest Services

See: Reader's Digest Association

#### Ready Data Service Inc.

47 Long Lane Upper Darby, PA 19082 (215) 352-1277 Andrew Reti, President

Total Sales FYE 12/80; \$600,000 Est. Computer Services Offered: • Processing

#### Real Decision Corporation

123 High Ridge Rd. Stamford, CT 06905 (203) 329-2071

### Real Estate Data

See: Colonial Penn Insurance

### Real Estate Information Tracking Systems

8430 Dixie Drive, N Dayton, OH 45414 (513)890-1830

Computer Services Offered: • Software Products • Turnkey Systems

#### Real Time Services

446 Pontiac St. Fort Wayne, IN 46807 (219)456-2197 Dick Presser, President

Computer Services Offered: • Processing • Software Products • Professional Services

#### Reality Software Company

1116 8th St., Suite F Manhattan Beach, CA 90266 (213) 372-9419 Private

Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Realtron Corporation 24065 Five Mile Road

Detroit, MI 48239 (313) 255-1200 Jack Jominy, President Total Sales FYE 4/81: \$15,000,000

Computer Services Offered: . Processing . Turnkey Systems

#### REAP Inc.

31 Olympia Ave. Woburn, MA 01801 (617) 935-8620 Robert Woods, President

Total Sales FYE 6/81: \$3,500,000 Est. Computer Services Offered: • Processing • Turnkey Systems

#### SUBSIDIARIES:

# Northern Consolidated Industries, Inc.

P.O. Box 364 Hanover, NH 03755 (603) 448-5000 Thomas Warren, President Computer Services Offered: • Processing • Professional Services

#### Teledata Time Sharing P.O. Box 364

Hanover, NH 03755 (603) 448-5000 Thomas Kelleher, President

#### REC-CHEK, Inc.

P.O. Box 239 Nevada, IA 50201 (515) 382-2186 David Anderson, President

Private Computer Services Offered: • Software Products

### Recognition Equipment Corp.

DIVISIONS:

#### Compata, Inc.

6150 Canoga Avenue Suite 100 Woodland Hills, CA 91364 (213) 884-5400 Ed Boutwell, General Manager Computer Services Offered: • Software Products • Professional Services

# Record Processing Corp.

345 97th St Brooklyn, NY 11209 (212) 730-0007

#### Redac Interactive Graphics, Inc. Name changed to: Racal-Redac, Inc.

#### Redshaw Inc.

103 Yost Blvd. Pittsburgh, PA 15221 (412)829-2100 Janet C. Thompson, President

Total Sales FYE 10/80: \$3,000,000 Computer Services Offered: • Software Products

Reed Holdings

#### SUBSIDIARIES:

#### International Computaprint Corporation

475 Virginia Dr. Ft. Washington, PA 19034 (215)641-6000 Hans E. Nickel, President Total Sales FYE 3/82: \$25,000,000 Computer Services Offered: • Processing

# Rehab Group Inc. 5827 Columbia Pike Falls Church, VA 22041

(703)820-4350 S. K. Dhillon, President Total Sales FYE 7/81: \$10,000,000 Computer Services Offered: • Processing • Professional

# Reiter Software Systems Inc 211 Sutter St, Ste 309 San Francisco, CA 94108

(415)956-1575 Computer Services Offered: • Software Products

Relational Database Systems, Inc 1208 Apollo Way,Ste 503 Sunnyvale, CA 94086 (408)746-0982 Roger J Sippl, President Total Sales FYE 7/82: \$700,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

# Relational Software Inc. 3000 Sand Hill Rd.

Menlo Park, CA 94025 (415) 854-7350 Larry Ellison, President Private Total Sales FYE 5/81: \$3,000,000 Est. Computer Services Offered: . Software Products

# Relational Systems International PO Box 13850

Salem, OR 97309 (503)363-8929 Private

Computer Services Offered: • Software Products

#### SUBSIDIARIES:

Pearlsoft PO Box 13850 Salem, OR 97309 (503)363-8929 (303)303-8929
William R Stow, President
Total Sales FYE 7/82: \$750,000 Est.
Computer Services Offered: • Software Products • Professional Services

Relational Technology, Inc. 2855 Telegraph Ave, Ste 515 Berkeley, CA 94705 (415)845-1700 Jon F Nackerud, President Private

Total Sales FYE 7/81: \$800,000 Est.

Computer Services Offered: 

Software Products

#### Reliable Data Service See: National Systemmetics

- 185 --

Remasco Inc

10240 SW 96th Terrace Miami, FL 33176 (305)595-7046

Joseph A Duerstock, President Computer Services Offered: • Software Products

Remote Business Services Inc.

9 Bettswood Road Norwalk CT 06851 (203) 853-1270

Computer Services Offered: . Software Products

Remote Computing Corporation See: Hale Brothers Associates

Renaissance Telesoftware Inc. Became: Telesoft

Renard Manufacturing

4651 Sheridan St,Ste 355 Hollywood, FL 33021

SUBSIDIARIES:

Compu-Systems Corporation

3131 Northwest 79th Avenue Miami, FL 33122 (305) 592-1506 A. Weiner, Chairman Computer Services Offered: . Software Products

Rendeck Corporation See: Rendeck Ltd

Rendeck Ltd

SUBSIDIARIES:

Rendeck Corporation

Fancuil Hall Marketplace Boston, MA 02109 (617) 367-9180 lan Woodhouse, President
Total Sales FYE 7/82: \$1,500,000

Computer Services Offered: • Software Products • Professional Services

Republic Airlines, Inc 7500 Airline Dr

Minneapolis, MN 55450 (612) 726-7411 Norman Renner, Director of Computer Services

Computer Services Offered: 

Software Products 
Turnkey Systems

Republic Service Bureau Inc

Torrance, CA 90501 (213) 533-0211 Jerome Sorkin, President Private

Computer Services Offered: • Processing

Republic Steel Corporation

DIVISIONS:

Republic Technology Corp Systems

Division 707 Brookpark Rd Brooklyn Heights, OH 44109 (216) 622-5355

VJ Locasio, Managing Director

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

Republic Technology Corp Systems Division

See: Republic Steel Corporation

Resource Software International, Inc. See: Datamatics Management Services

Resource Systems, Inc. See: Continental Telecom Inc.

Response of Hawaii, Inc. 1600 Kapiolani Blvd Suite 210

Honolulu, HI 96814 (808) 947-1267 Don Raymond, President

Private Total Sales FYE 4/81: \$300,000 Computer Services Offered: • Processing • Software

Response Technology Inc.

4064 Southwest Donovan Seattle, WA 98136 (206) 937-7845 Gary Roc, President Private Computer Services Offered: • Software Products

Retail Information Systems, Inc. See: Computer Systems Company Inc.

Retail Merchandising Service 6600 Jurupa Avenue P.O. Box 2345 Riverside, CA 92506 (714) 688-4302 Vernon J. Rossi, President Private

Computer Services Offered: . Software Products . Professional Services

Reuters North America See: Reuters, Ltd.

Reuters, Ltd.

DIVISIONS:

Reuters North America 1700 Broadway New York, NY 10019 (212)582-4030 (212)362-9030 Glen Renfrew, Managing Director Total Sales FYE 12/81: \$36,500,000 Est. Cptr. Sves. Revs. FYE 12/81: \$24,000,000 Est. Computer Services Offered: • Processing

Revco Drug

#### SUBSIDIARIES:

#### General Computer Corporation

PO Box 304 Twinsburg, OH 44087 (216)425-3241 Richard Pilarczyk, President Total Sales FYE 5/81: \$2,500,000 Est. Computer Services Offered: . Software Products . Turnkey Systems

#### Reveal Software, Inc.

6 Chelmsford Dr Muttontown, NY 11545 (516) 626-1166

Computer Services Offered: • Software Products

#### Revere Copper & Brass

#### DIVISIONS:

#### Revere Technology PO Box 848

Scottsboro, AL 35768 (205)259-1460 Richard Little, President Total Sales FYE 12/81: \$16,000,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Revere Technology

See: Revere Copper & Brass

#### Revlon Inc.

#### SUBSIDIARIES:

#### Technicon Data Systems Corporation

3255-1 Scott Blvd Santa Clara, CA 95051 (408) 727-9400 Ian L. Hicks, President Total Sales FYE 12/81: \$25,595,000 Computer Services Offered: . Processing . Software Products

#### Revnolds & Revnolds Company, The 800 Germantown Street PO Box 1005

Dayton, OH 45407 (513) 443-2000 Edwin F. Strasser, President Total Sales FYE 9/82: \$220,978,308 Cptr. Svcs. Revs. FYE 9/82; \$116,830,115 Computer Services Offered: . Processing . Turnkey Systems

#### SUBSIDIARIES:

#### Accumation, Inc. 220 North Wiget Ln. Walnut Creek, CA 94598 (415) 937-5111 Leo Koskelq, President

#### Rhintek, Inc.

Box 220 Columbia, MD 21045 (301) 730-2575 Rainer F. McCown, Owner Total Sales FYE 7/80: \$1,000,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

#### Rice Communications Inc. 569 Castle Road

Colorado Springs, CO 80904 (303) 634-2545

# Richardson I. Lawrence & Associates,

2140 South Walnut Springfield, 1L 62704 I. Lawrence Ricardson, President Private Computer Services Offered: . Software Products

#### Rio Grande Industries

#### SUBSIDIARIES:

Computer Sharing Services Inc. 2 Tamarack Square 7535 E Hampden Ave, Ste 200 Denver, CO 80231 (303)695-1500 Jerrol A. Alkema, President Total Sales FYE 12/81: \$25,700,000 Computer Services Offered: • Processing • Professional

# Services SUBSIDIARIES:

#### National Integrated Software Services Inc 2 Tamarack Square 7535 E Hampden Ave,Ste 200 Denver, C0 80231

(303) 694-1694 Ron Knox, President Computer Services Offered: • Software Products • Professional Services

#### Roanco Associates

2742 Westchester Dr North Clearwater, FL 33519 (813)796-0795 Computer Services Offered: • Software Products

#### Robertson Financial Corp.

#### SUBSIDIARIES:

### Dataco, Inc. 2862 E St Road Bensalem PA 19020 (800)345-6322

Robert P. Dunne, President Total Sales FYE 9/81: \$4,000,000 Est. Computer Services Offered: • Processing

# Directory of Computer Services Companies

#### ROCI, Inc. 1457 Ammons St

1457 Ammons St. Lakewood, CO 80215 (303) 234-1717

Earl W. Friedman, President
Private
Computer Services Offered: • Processing • Turnkey

#### Rock Cor

#### DIVISIONS:

### Physics International Company

2700 Merced Street
San Leandro, CA 94577
(415) 357-4610
J.S. Martinez, PH.D., President
Computer Services Offered: • Software Products • Professional Services

#### Rockford Research Inc See: Data Concepts Inc

# Rockie Smith Enterprises Inc. (RSE Inc)

Cushing, OK 74023 (918)225-6340

Computer Services Offered: • Processing

### Rocky Mountain Software Systems

PO Box 3282
Walnut Creek, CA 94598
(415)625-1592
Greg Marshall, Partner
Computer Services Offered: • Software Products

### Rocliff Associates, Inc.

2340 North Shore Dr.
Delavan, W1 53115
(414)728-4254
Robert T. Schwartz, President
Private
Total Sales FYE 12/80: \$450,000 Est.
Computer Services Offered: • Turnkey Systems

#### Rodin Corporation

#### DIVISIONS:

#### Rodin Industries, Inc.

PO Box 3087 Scranton, PA 18501 (717) 346-7045 Sydney H. Rodin, President Private Cptr. Sves. Revs. FYE 12/79: \$100,000 Est. Computer Services Offered: Processing

### Rodin Industries, Inc.

See: Rodin Corporation

# Rogue Valley Data Processing See: Harry & David, Inc.

Rolfe Associates Inc.

#### DIVISIONS:

#### Factory Systems

2264 Silas Deane Hwy.
Rocky Hill. CT 00667
(203) 563-1343
John J. Donovan, President
Private
Total Sales FYE 7/81: \$1,300,000 Est.
Computer Services Offered: \* Software Products \* Turnkey
Systems

### Roncom Systems Inc.

110-33 72nd Ave Forrest Hills, NY 11375 (212)544-6705 Computer Services Offered: • Software Products

companer bernees offices. Outrain Product

# Roshell Ivri Software Company 73 Cornwall Rd.

Glen Rock, NJ 07452 (201) 444-0917 Stanley Levin, President Private Total Sales FYE 12/80: \$500,000 Computer Services Offered: • Software Products • Professional Services

### Ross Systems Inc.

1900 Embarcadero, Ste 208 Palo Alto, CA 94303 (415) 856-1100 Kenneth Ross, President Private Total Sales FYE 6/81: \$5,000,

Total Sales FYE 6/81: \$5,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Ross, Robert H. and Company Inc

22 Main Street
Denver, PA 17517
(215) 267-5508
Robert H. Ross, President
Private
Computer Services Offered: • Processing

# Rothenberg Information Systems Inc. 444 Castro St Mountain Bay Plaza

Mountain View, CA 94041 (415)965-7380 Stephen Rothenberg, President Private Total Sales FYE 12/81: \$1,500,000 Computer Services Offered: • Turnkey Systems

#### Royal Communicating Graphics

855 Harrison San Francisco, CA 94107 (415)546-7800 David Dodge, President

#### Royal Data Systems

235 Main Dunstable Rd. Nashua, NH 03061 (603) 889-4040

# Rubel, Andrew & Associates One Soldiers Field Park, #605

Boston, MA 02163 (617) 876-7993 Andrew Rubel, President Private

Total Sales FYE 9/80: \$700,000 Est.

Computer Services Offered: • Software Products • Professional Services

### Russell Corporation

767 St. Claire, Ste 1840 Chicago, IL 60611 (312)337-5576

#### Ryan-McFarland Corp.

609 Deep Valley Drive
Rolling Hills Estate CA 90274
(213) 541-4828
Don Ryan, President
Private
Total Sales FYE 12/81: \$3,800,000
Computer Services Offered: • Software Products •
Professional Services

#### Ryan, Donald & Associates Systems Consultants

See: Congruent Systems, Inc.

#### S & H Computer Systems Inc 1027 S 17th Ave

1027 S 17th Ave
Nashville, TN 37212
(615)327-3670

Computer Services Offered: • Software Products

#### S.D.L.

1700 S El Camino Real P O Box 5801 San Mateo, CA 94402 (415) 572-1200 Donald A Carman, President Private Total Sales FYE 9/81: \$15,250,000 Computer Services Offered: • Software Products

# S.T.S. Systems, Inc. See: Systems Technology Services, Ltd.

S-C Data Center Inc.
See: Swiss Colony Data Center, Inc.

## S-Tek Computer Services, Inc.

214 S. 13 1/2 Street
Terre Haute, IN 47803
(812) 232-1385
Fred P. Rubey, President
Private
Computer Services Offered: • Processing

# SAB, Inc. See: Seymour Schneidman & Associates

SAI Comsystems Corp.

See: Science Applications International Corporation

#### SAI Systems Associates 412 E Boulevard PO Box 36305

Charlotte, NC 28236 (704)333-1276 Jack Wiel, President Private Total Sales FYE 1/82: \$10,000,000 Est. Computer Services Offered: • Turnkey Systems

# SAS Institute, Inc.

Cary, NC 27511 (919) 467-8000 James Goodnight, President Private

Total Sales FYE 11/81: \$10,000,000 Est.

Computer Services Offered: • Software Products

### SBD Computer Services

4744 Baltimore Ave.
Hyattsville, MD 20781
(301) 864-9200
John J. Starzec, President
Total Sales FYE 2/81: \$1,560,000
Computer Services Offered: • Processing

# SD Transport Services, Inc

PO Box 480 Sioux Falls, SD 57101 (605) 339-3629 Computer Services Offered: • Software Products

### SDA Federal Systems

See: Software Design Associates Inc

# SDA Products, Inc.

850 Boylston Street

See: Software Design Associates, Inc.

#### SDK Medical Computer Services Corporation

Chestnut Hill, MA 02167 (617) 232-8005 S. David Kaufman, President Private Total Sales FYE 4/81: \$4,000,000 Est. Computer Services Offered: • Processing

# SDL International, Inc. Acquired and merged with: Datacrown, Inc.

Acquired and merged with. Datacrown, the

#### SDPS 30 Oser Avenue

Hautauge, NY 11789
(516) 231-5656
Charles Stapleton, President
Provessing Offered: a Processing

Computer Services Offered: 

Processing 

Software Products 

Professional Services 

Turnkey Systems

#### SEI Corporation

680 East Swedesford Road Wayne, PA 19087 (215) 687-1700 Alfred P. West, Jr., President Public Total Sales FYE 12/81: \$32,667,000

Total Sales FYE 12/81: \$32,667,000 Cptr. Svcs. Revs. FYE 12/81: \$28,967,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### TMI Systems Corporation

83 Hartwell Ave Lexington, MA 02173 (617) 861-7700 Wade Tambor, President Computer Services Offered: • Processing • Software

# Products • Professional Services SEI Information Technology

450 East Ohio St Chicago, IL 60611 (312)440-8300 T Russell Sheilds, President

Computer Services Offered: • Processing • Professional Services

#### SESA Inc.

See: SESA, S.A. France

#### SESA SA Honeywell Inc

#### SUBSIDIARIES:

#### SESA-Honeywell Communication, Inc. 487 Carlisle Dr

Herndon, VA 22070 (703) 471-5493 John J Pendray, President Computer Services Offered: • Turnkey Systems

### SESA-Honeywell Communication, Inc.

See: SESA SA Honeywell Inc Inc

#### SESA, S.A. France

#### DIVISIONS:

SESA Inc.

888 Worcester Rd. Wellesley, MA 02181 (617) 742-6620 Warren Mosby, President Total Sales FYE 12/80: \$500,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### SG2

#### SUBSIDIARIES:

San Jose, CA 95128

#### Information Management International 1101 S. Winchester Blvd.

(408) 248-8250 Allen Guggenheim, President & Chairman Private Total Sales FYE 12/81: \$9,800,000 Cptr. Svcs. Revs. FYE 12/81: \$9,310,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES

#### Automatic Industrial Applications Inc.

1101 S. Winchester Blvd San Jose, CA 95128 (408)248-8250 Norbert D. Witt, President

Computer Services Offered: 

Professional Services 

Offered: 

Professional Services Turnkey Systems

Diversified Computer Applications 2525 East Bayshore Road Palo Alto, CA 94303 (415) 493-2100 Sherwin Kalt, Chairman and President

### SIC Systems Inc.

105 Madison Ave. New York, NY 10017 (212) 838-1600 Michael H. Marcus, President Private Total Sales FYE 3/80; \$250,000 Est. Computer Services Offered: • Professional Services

#### SJV Corporation

#### SUBSIDIARIES:

#### SJV Data Service Inc.

2020 Industrial Parkway Elkhart, IN 46514 (219) 294-6621 (219) 294-0021 Richard Hershberger, President Total Sales FYE 12/81: \$3,250,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

# SJV Data Service Inc.

#### SPS Technology

#### SUBSIDIARIES:

#### Clay Bernard Systems International (CBSI)

4239 S. 74 East Ave. Tulsa, OK 74145 (918) 664-2200 John Omlor, President
Computer Services Offered: • Turnkey Systems

# SPSS, Inc. 444 N. Michigan Ave. Suite 3300 Chicago, IL 50611 (312) 329-2400 Norman H. Nie, President

Computer Services Offered: • Software Products

### SREA Market Data Center Inc 24 West St. Josephs St. Arcadia, CA 91006

(213) 445-2310 John Hicks, Executive Vice President Private Total Sales FYE 4/80: \$1,370,745 Cptr. Svcs. Revs. FYE 4/80: \$220,000 Est. Computer Services Offered: • Processing • Software

Products

### SRS Programming Reserve Inc.

Two Penn Plaza Suite 1500 New York, NY 10021 (212)695-0075 Thomas K Sheridan, President

Total Sales FYE 9/82: \$1,080,000

Computer Services Offered: • Professional Services

### SSM Microcomputer Products Inc

2190 Paragon Dr San Jose, CA 95131 (408)946-7400

Computer Services Offered: • Software Products

#### SST, Inc.

9434 North 107th St. Milwaukee, WI 53224 (414) 355-6990 Paul Leighton, President

Computer Services Offered: • Software Products

#### STC Systems, Inc.

See: Storage Technology Corporation

### STR Corporation

25A Technology Park,Ste 201 Norcross, GA 30092 (401) 458-0041 R.M. Phillips, President Computer Services Offered: • Turnkey Systems

# STS. Inc.

7751 Carondelet, Ste 604 Clayton, MO 63105 (314) 725-2750 Norton L. Hoffman, President

Total Sales FYE 8/81: \$400,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

#### STSC, Inc.

See: Continental Telecom Inc.

#### Sachs/Freeman Associates Inc. 14300 Gallant Fox Lane Suite 214

Bowie, MD 20715 (301) 262-4400 Ernest Freeman, President Total Sales FYE 2/82: \$4,838,220 Cptr. Svcs. Revs. FYE 2/82: \$967,000
Computer Services Offered: • Professional Services

#### Saddlebrook Corporation

76 Rogers St Cambridge, MA 02142 (617)666-8100

Private Computer Services Offered: • Turnkey Systems

SAFECO Corporation

#### SUBSIDIARIES:

SAFECO Title Insurance

13640 Roscoe Blvd Panarama City, CA 91409 Panarama City, CA 71407 (213)902-3342 William Little, President Total Sales FYE 12/81: \$87,609,000 Cptr. Sves. Revs. FYE 12/81: \$3,400,000 Computer Services Offered: • Processing

#### Safecom Inc.

Safeco Plaza
Seattle, WA 98185
(206) 545-5000
L.L. Mangis, President
Total Sales FYE 12/81: \$15,222,000
Computer Services Offered: • Processing • Turnkey Systems

#### SAFECO Title Insurance See: SAFECO Corporation

Safecom Inc. See: SAFECO Corporation

### Safeguard Business Systems, Inc. 400 Maryland Drive Fort Washington, PA 19034

(215) 641-5000 Franklin Winnert, President Public Total Sales FYE 12/81: \$128,010,000 Cptr. Svcs. Revs. FYE 12/81: \$16,883,000 Computer Services Offered: • Processing

Sage Data Inc. I Research Wy Princeton, NJ 08540 (609) 924-3000 John Torkelsen, President Private Total Sales FYE 12/81: \$1,610,000 Est.

Computer Services Offered: • Processing

Sage Systems Inc. 3161 River Rd. Bethesda, MD 20816 (301) 986-1333 Larry G. Settle, Chairman and President Private Total Sales FYE 1/82: \$2,750,000 Est.

Computer Services Offered: • Software Products • Professional Services

Said Inc. 417 West Broad Street Falls Church, VA 22046 (703) 532-9190 R.O. Beach, President

#### San Francisco Systems, Inc.

110 Sutter St. San Francisco, CA 94104 (415) 982-3500 Larry Milliron, President Private

Santa Cruz Software Services 1711 Quail Hollow Road Ben Lomond, CA 95005 (408)336-2170

Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### Sargent-Welch Scientific Co

#### DIVISIONS

#### Densichron Division

7300 North Linder Ave Skokie, IL 60077 (312)677-0600 Charles J. Thomas, Jr, Manager Computer Services Offered: • Turnkey Systems

### Sarig Business Systems, Inc.

3701 Perkiomen Ave Reading, PA 19606 (215)779-7285 Computer Services Offered: • Software Products

# Satellite Computing, Inc.

4530 Professional Circle Virginia Beach, VA 23455 (804)499-9803 Talmadge F Broughton, President Total Sales FYE 3/82: \$2,500,000

Computer Services Offered: • Software Products

#### Satellite Software International(SSI) 288 West Center St Orem, UT 84057

(801)224-8554 Bruce Bastian, President Private Total Sales FYE 12/81: \$850,000 Computer Services Offered: • Software Products

#### Saturn Software Inc.

7351 E Hinsdale Ct Englewood, CO 80112 (303)694-0214 V Jerome Nickerson, President

Computer Services Offered: • Software Products • Professional Services

### Saturn Systems, Inc.

6875 Washington Ave. S Suite 218 Minneapolis, MN 55435 (612) 944-2452 Kenneth Kunstmann, President Total Sales FYE 12/80: \$350,000 Est.

Computer Services Offered: • Software Products

#### Saunders Software, Inc. 1411 Simpson St

St Paul, MN 55108 (612) 871-6537 Michael Saunders, President Total Sales FYE 3/80; \$100,000 Est. Computer Services Offered: • Processing • Professional Services

#### Savings Management Computer Corporation

60 Congress Street Boston, MA 02109 (617) 423-0850 Charles Locicero, President Private Computer Services Offered: . Processing

#### Savings Management Research Corporation

PO Box A-250 Hanover, NH 03755 (603) 448-5015 Thomas S. Warren, President

#### Saztec 27520 Hawthorne Blvd

Rolling Hills Estate CA 90274 (213)544-0337 Thomas Reed, President Private Total Sales FYE 6/81: \$4,000,000 Computer Services Offered: . Processing . Software Products • Professional Services

### Schaeffer Analysis

See: MacNeal Schwendler Corporation

## Scheduling Corporation of America

2215 York Rd, Ste 414 Rm. 150, Corporate Center Chicago, IL 60521 (312)323-0444 George Stout, President Total Sales FYE 6/82: \$7,000,000 Computer Services Offered: • Professional Services

#### Schlumberger Ltd

SUBSIDIARIES:

### Schlumberger Technology Corp

SUBSIDIARIES:

#### Applicon Inc.

32 Second Ave. Burlington, MA 01803 (617) 272-7070 Donald L. Feddersen, President Total Sales FYE 12/81: \$84,000,000 Computer Services Offered: • Turnkey Systems

#### Manufacturing Data Systems, Inc. 4251 Plymouth Road

Ann Arbor, MI 48105 (313) 995-6000 Kenneth R. Stephanz, President Total Sales FYE 12/81: \$68,320,000 Cptr. Svcs. Revs. FYE 12/81: \$59,438,000

Computer Services Offered: 
Processing 
Software

Products 
Turnkey Systems

# Schlumberger Technology Corp

See: Schlumberger Ltd

### Schrager Klemens And Krueger

10400 W. Higgins Rd. Suite 616 Rosemont, IL 60018 (312) 825-5150 Barry Schrager, President

# Schulstad, Myers & Associates Inc

Louisville, KY 40207 (502)896-2479 Eugene Schulstad, President Private Total Sales FYE 2/82: \$1,000,000 Computer Services Offered: • Software Products • Turnkey Systems

#### Schultz Instruments Inc.

2603 NE 17th Terrace P.O. Box 13382 Gainsville, FL 32601 (904) 378-1750 Charles Schultz, Jr., President Private

### Sci-Pro Inc.

8505 E. Orchard Road Suite 106 Englewood, CO 80111 (303) 741-3333 Computer Services Offered: • Processing

## Sci-Tek Associates, Inc.

See: Anacomp, Inc.

# Science Applications International Corporation

SUBSIDIARIES:

#### Science Applications, Inc. 1200 Prospect Street

La Jolla, CA 92038 (714) 454-3811 J.R. Beyster, President Private Total Sales FYE 1/82: \$238,474,000 Cptr. Sves. Revs. FYE 1/82: \$49,000,000 Est. Computer Services Offered: • Professional Services

#### SUBSIDIARIES:

JRB Associates, Inc. 1200 Prospect Street

La Jolla CA 92037 (714) 454-3811

### SAI Comsystems Corp.

2801 Camino Del Rio South San Diego, CA 92108 (714) 293-7500

# Science Applications, Inc. See: Science Applications International Corporation

### Science Dynamics Corporation

2140 W. 190th St.
Torrance, CA 90504
(213) 320-1101
Santo P. Panzarella, President
Private
Total Sales FYE 1/81: \$17,000,000
Cptr. Sves. Revs. FYE 1/81: \$15,000,000
Computer Services Offered: • Processing

# SMC Systems and Technology Group Inc. Merged into Science Management Corporation

#### Science Management Corporation

1011 Route 2 P.O. Box 6800 \*
Bridgewater, N.O. 8807
(201) 685-9000
James A. Skidmore, Jr., President
Public
Grant Sex. 1981 12/81: 546,949,000
Copt. Sex. Rev. 1974 12/81: 515,000,000
Computer Services Offered: \* Processing \* Software
Products \* Professional Services\*

## Scientific Computer Applications, Inc.

808 Wricht Bldg. 3rd & Cheyenne Tulsa, OK 74103 (918) 584-6197

# Scientific Computers Inc.

Minnetonka, MN 55343 (612) 933-4200 Richard A. Walter, President Public Total Sales FYE 6/82: \$12,934,382 Cptr. Sves. Revs. FYE 6/82: \$10,500,000 Est. Computer Services Offered: • Processing

#### SUBSIDIARIES:

# Ketabular Processing Company

4114 N. 27th Avenue Phoenix, AZ 85017 (602) 265-0572

Evanston, IL 60201

#### Scientific Information Retrieval, Inc. 820 Davis St, Ste 400 PO Box 1404

(312) 475-2314
Eli Cohen, President
Private
Total Sales FYE 12/81: \$750,000 Est.
Computer Services Offered: • Software Products • Turnkey

#### Scientific Process & Research

400 Cleveland Ave. P.O. Box 1268 Highland Park, NJ 08904 (201) 846-3477 Imrich Klein, PH.D., President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

# Directory of Computer Services Companies

Scientific Software Corporation
633 17th Street
Denver, CO 80202
(303) 571-1111 E.A. Breitenbach, PH.D., President Public

Public
Total Sales FYE 12/81: \$14,852,474
Cptr. Svcs. Revs. FYE 12/81: \$9,000,000 Est.
Computer Services Offered: • Processing • Software
Products • Professional Services

### Scientific Systems Services Inc

2000 Commerce St Melbourne, FL 32909 (305) 725-1300 Vincent S Lamb, Jr, President Private Total Sales FYE 12/81: \$8,000,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Scribe Data Systems Inc.

210 Lincoln Street Boston, MA 02111 (617) 482-4866

Scripps Data Systems, Inc 9147 Businesspark Ave Suite 202G San Diego, CA 92131 (714)695-1540 Computer Services Offered: • Software Products

# Scully Data Systems See: Scully Signal

Scully Signal DIVISIONS:

Scully Data Systems
Northern Industrial Park
Wilmington, MA 01887
(617) 729-7510 Robert G. Scully, President

Computer Services Offered: • Processing • Professional

#### Seafirst Computer Service See: Seattle First National Bank

Seattle Computer Products

1114 Industry Drive Seattle, WA 98188 (206) 575-1830

#### Seattle First National Bank

SUBSIDIARIES:

Seafirst Computer Service

ealitst Computer Service
13028 Interurban Avenue South
Tuckwila, WA 98188
(206) 583-3131
Jack Olson, President
Computer Services Offered: • Processing

Securities Industry Automation

Corporation See: New York and American Stock Exchanges

#### Security America Corporation

DIVISIONS:

Insurance Processing Services, Inc.

3001 Butterfield Rd. Oak Brook, IL 60521

(312)789-0030 Elwood D. Yeater, Vice President, Data Services Total Sales FYE 12/80: \$1,500,000 Computer Services Offered: • Processing • Software Products

Sedalia Computer Services, Inc.

Sedalia, MO 65301 (816) 827-1990 L.R. McRoy, President Total Sales FYE 6/81: \$546,000 Computer Services Offered: • Processing

SUBSIDIARIES:

P.O. Box 1488

Capitol City Computer Services

915 Southwest Blvd., Ste. F Jefferson City, MO 65101 (314)634-2333 L.R. McRoy, President

Sedlak, J.P. Associates

135 William Street New York, NY 10038 (212) 233-8780 John P. Sedlak, President

Private Total Sales FYE 5/81: \$1,500,000

Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

Sedlitz Enterprises, Inc.

8750 Georgia Ave. Suite 122E Silver Spring, MD 20910 (301) 585-5456 Bert Sedlitz, President Private

Computer Services Offered: • Professional Services

Seis Pros, Inc. 16850 Park Row PO Box 218001

Houston, TX 77218 (713) 492-0028 Computer Services Offered: . Processing . Professional

Seiscom Delta, Inc. P.O. Box 36928 7636 Harwin Houston, TX 77036 (713) 789-6020 D. Gale Reese, President

Public
Total Sales FYE 9/82: \$168,801,000
Cptr. Svcs. Revs. FYE 9/82: \$35,000,000 Est.
Computer Services Offered: • Processing • Turnkey

Seisdata Services, Inc
333 North Belt East Suite 900
Houston, TX. 77060
(713)931-7661
Raymond W. Cawlson, Jr., President
Public
Total Sales FYE 12/81: \$10,015,000
Cptr. Sws. Revs. FYE 12/81: \$1,711,000
Computer Services Offered: • Processing

Seismic & Digital Concepts Inc 8582 Katy Fwy, Ste 100 Houston, TX 77024

(713)932-0400 F. M. Gardiner, President Computer Services Offered: • Processing

Seismic International Research Corp 1531 Stout, Ste 310 Denver, CO 80202 Stan D Brasel

Stan D Brasel
Computer Services Offered: • Processing

Seismic Processors, Inc
333 North Belt East, Ste 950
Houston, TX 77060
(713)820-3016
Phillip L Martin, President
Computer Services Offered: • Processing

Seismograph Service Corp.

Selanar Corp 437-A Aldo Ave Santa Clara, CA 95050 (408)727-2811 Computer Services Offered: • Software Products

Sensible Software
See: Harper & Row Publishers Inc.

Sentry Data Inc See: Norwegian American Hospitals of Chicago

Sercon Corporation
4611 North Lindburst
Dallas, TX 75229
(214) 691-3020
William Simpson, President
Private
Total Sales FYE 1/80: \$150,000 Est.
Computer Services Offered: • Software Products

Serendipity Systems
225 Elmira Rd
Ithica, NY 14850
(607)277-4889
Computer Services Offered: • Software Products

Service Bureau Company

Merged into Control Data Corporation

Service Card System
See: First Oklahoma Bancorporation, Inc.

Service Data Processing 2301 N W Thurman Portland, OR 97210 (503) 224-8168

Service Software Inc. See: Value Computing, Inc.

Seymour Schneidman & Associates

SUBSIDIARIES:

SAB, Inc.
P.O. Box 1010 10 Nevada Dr.
New Hyde Park, NY 11042
(316)775-5566
Arnold Schneidman, President
Total Sales FYE 7/81: \$2,400,000 Est.
Computer Services Offered: • Software Products

Shaes & Co

405 North Wabash
Chicago, IL 60611
(312)467-1000
Computer Services Offered: a Software Products

Computer Services Offered: • Software Products

Shaker Computer and Management

Schenectady, NY 12309 (518) 785-0978 Richard L. Werner, President rivate

Services 990 River View Rd

Total Sales FYE 5/80: \$750,000 Computer Services Offered: • Processing • Professional Services

Shales & Young Information Systems, Inc

405 North Wabash Ave Chicago, IL 60611 (312)645-808 Michael S Young, President Private Computer Services Offered: • Software Products

Share Computer System, Inc. 8009 NW 36th Street Miami, FL 33166

(305) 592-6224 Colin Armstrong, VP and General Manager Private

# Directory of Computer Services Companies

#### Shared Medical Systems Corporation

650 Park Avenue PO Box 675 King of Prussia, PA 19406 (215)296-6300

Harvey J. Wilson, President

Total Sales FYE 12/81: \$131,616,000 Computer Services Offered: . Processing . Turnkey Systems

#### Shared Resources

4400 Spring Valley Rd. Dallas, TX 75234 Computer Services Offered: . Software Products . Turnkey Systems

Sharp, I.P. Associates Ltd 2 First Canadian Place Suite 1900

Toronto, ON M5X1E (416) 364-5361 Ian Sharp, President Total Sales FYE 12/81: \$35,000,000

Computer Services Offered: . Processing . Software Products • Professional Services

#### Shasta General Systems 1329 Moffett Park Dr., Ste. 54

Sunnyvale, CA 94086 (408) 734-9360 Lawrence G. Finch, President Private Total Sales FYE 4/82: \$15,000,000 Est. Computer Services Offered: . Turnkey Systems

#### Shaw Data Leasing

SUBSIDIARIES:

Shaw Data Services, Inc. 122 E. 42nd Street Suite 2307-8

New York, NY 10168 (212) 682-8877 William Burnett, President Private Total Sales FYE 6/80: \$1,250,000 Est.

Cptr. Svcs. Revs. FYE 6/80: \$1,190,000 Est. Computer Services Offered: • Processing • Professional Services

Shaw Data Services, Inc. See: Shaw Data Leasing

Shaw Systems Associates Inc

6620 Harwin, Suite 300 Houston, TX 77036 (713) 782-7730 Roy Shaw, President

Computer Services Offered: . Software Products

Shawinigan Engineering Company

#### SUBSIDIARIES:

Construction Industry Computer

620 Dorchester Blvd. West Montreal, OU H3BIN (514) 866-4677 A.N. Davis, Vice President Cptr. Svcs. Revs. FYE 12/79: \$800,000 Est. Products . Professional Services

# Shawmut Bank of Boston, NA Computer

Services Dept. One Federal Street Boston, MA 02110 (617) 292-2000

William S. Craig, President Computer Services Offered: • Processing

### Shear Development Corporation

75 Federal St. Suite 614 Boston, MA 02110 (617) 426-3404 Robert Shear, President Private Total Sales FYE 9/80: \$3,200,000

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Shriver, R., Associates

1259 Rt. 46, Building 2 Parsippany, NJ 07054 (201) 335-7800 Richard H. Shriver, President Private

Total Sales FYE 12/81; \$7,400,000 Computer Services Offered: . Software Products

SUBSIDIARIES:

Adfomation Inc. 15 South 9th Street Suite 385

Minneapolis, MN 55402 (612) 339-5966 Larry Kampa, President

#### Shuford Data Services See: Shuford Mills

Shuford Mills

DIVISIONS:

Shuford Data Services

P.O. Box Drawer 2228 Hickory, NC 28601 (704) 328-2131

Henry L. Schmulling, Division Manager Computer Services Offered: . Processing

Sider, Joseph & Associates, Inc.

15713 Varden Street Encino, CA 91436 (213) 784-6722

#### Siegel Software Services

Santa Clara, CA 95050 (408) 496-6400 John Siegel, President

Computer Services Offered: • Professional Services

#### Sierra Systems Consultants, Inc.

649 Mission street San Francisco, CA 94105 (415) 543-6673

# Sigma Data Computing Corporation Name changed to: M/A Com Sigma Data Inc.

Sigma Research Associates

P.O. Box 9291 San Diego, CA 92109 (714) 459-2743

Robert R. Trippi, Ph.D, Director Private

Total Sales FYE 12/80: \$200,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

#### Sigma Software, Inc 248 Columbia Turnpike

Florham Park, NJ 07932 (201)966-1633 Adelaide H Warren, President Private

Total Sales FYE 12/82: \$4,000,000

Computer Services Offered: • Software Products

# Signal Technology, Inc

15 West De La Guerra St Santa Barbara, CA 93101 (805)963-1552

Computer Services Offered: • Software Products

# Silicon Valley Systems Inc.

1625 El Camino Real, Ste 4
Belmont, CA 94002
(415) 593-4344
Computer Services Offered: • Software Products

#### Silton Data

2407 E. 38th
Los Angeles, CA 90058
(213) S85-1161
John Smart, President
Private
Computer Services Offered: a Processing a

Computer Services Offered: • Processing • Professional Services

#### SUBSIDIARIES:

### Apparel Management Systems

2407 East 38th Los Angeles, CA 90058 (213) 585-1161

#### SUBSIDIARIES:

AMS Information Inc.

1400 Sauve Quest, Suite 276
Montreal, QU HANIC
(514) 331-7932
David Haltreet, President
Computer Services Offered: • Processing • Professional
Services • Turnkey Systems

### Simcon Inc.

See: Hadron Inc.

### SIMPLAN Systems Inc (SSI)

300 Eastowne Dr Chapel Hill, NC 27514 (919)493-2495 Bernd von Lintel, President Private Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Simple Soft Inc

480 Eagle Drive, Ste 101 Elk Grove, IL 60007 (312) 364-0752 Philip Rozansky, President Private

Computer Services Offered: • Software Products • Professional Services

# Simplex Systems Service & Computer Corporation

60 Madison Ave. New York, NY 10010 (212) 243-5351 J.J. Gerard, President

#### Simulation Sciences 1400 N. Harbor Blvd, Suite 250

Fullerton, CA 92635 (714) 879-9180 Dr. Wang, President Private

Computer Services Offered: • Software Products

#### Sipos, Andrew 150 Nassau St, Ste 1630 New York, NY 10038

New York, NY 10038
(212)732-1033
Andrew Sipos, President
Private
Computer Services Offered: • Software Products •
Professional Services

# Sirco Enterprises

3155 E. Big Beaver Suite 102 Troy, MI 48084 (313) 879-9752

# Sistemas Inc.

910 17th Street, N.W. Washington, DC 20006 (202)223-2724 Don Bartlett, President Private

Computer Services Offered: • Professional Services

# Directory of Computer Services Companies

### Small Business Data Processing

Corporation

4208 Airport Rd. Cincinnati, OH 45226 (513) 871-7019 William R. Fryer, President

Total Sales FYE 12/81: \$575,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### Small Business Information Systems Inc

21 Gibbsboro Rd Clementon, NJ 08021 (609)784-1921

Computer Services Offered: • Software Products

#### Small Business Machines, Inc.

421 7th Avenue New York, NY 10001 (212) 736-7257 Jack Cooley, President Private Total Sales FYE 12/80: \$550,000 Est.

Total Sales FYE 12/80: \$550,000 Est.

Computer Services Offered: • Software Products

# Small Business Mangagement Systems Inc

Clifton, NJ 07013 (201) 773-6010 Thomas Blaney, President

Total Sales FYE 7/82: \$300,000 Est.

Computer Services Offered: • Software Products

# Small Business Systems Group

6 Carlisle Rd. Westford, MA 01886 (617) 692-3800 Mary Ann Driscoll, President

Private
Total Sales FYE 5/81: \$1,000,000 Est.

Computer Services Offered: • Software Products •
Professional Services • Turnkey Systems

#### Small System Software

P.O. Box 366
Newbury Park, CA 91320
(805) 497-6657
Tom Nussmeier, Partner
Computer Services Offered: • Software Products

Computer Services Offered: 

Software Product

#### Smart, Inc

357 Main St., E. Meriden, CT 06450 (203)237-1191 James C. Spring, President Private

Total Sales FYE 4/82: \$1,000,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

#### SMITES Group

See: Peat, Marwick, Mitchell, & CO

### Smith Data Processing

P.O. Box 1779
Spartanburg, SC 29301
(803) 582-216
Glen Hammett, Vice President
Private
Total Sales FYE 2/80: \$4,500,000 Est.

Total Sales FYE 2/80: \$4,500,000 Est.

Cptr. Svcs. Revs. FYE 2/80: \$3,500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

#### Smith, A. O., Corporation

DIVISIONS:

#### Smith, A.O. Data Systems Division 8901 N. Kildeer Ct. Browndeer, WI 53209

Browndeer, WI 53209 (414) 449-2700 Allan Brown, Division General Manager Total Sales FYE 12/81: \$8,600, Cptr. Sves. Revs. FYE 12/81: \$4,300,000 Computer Services Offered: • Processing • Software Products • Professional Services

# Smith, A.O. Data Systems Division

#### Smith, C.D. Company 233 S. 5th Street Grand Junction, CO 81501

Grand Junction, CO 81501 (303) 243-1121 Sterling Smith, President Private Computer Services Offered: • Software Products

# Smith, Dennis & Gaylord

Santa Clara, CA 95051 (408)727-1870 Steven Dennis, President Private Total Sales FYE 7/82: \$4,500,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Smith, G.A., Inc.

Santa Clara, CA 95050 (408) 247-3344 G.A. Smith, President Private

Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Smyth Business Systems 7100 Whipple Ave. NW PO Box 8800 Canton, OH 44711

(216) 499-6392
Private
Total Sales FYE 12/81: \$7,300,000 Est.
Computer Services Offered: • Processing • Software
Products

#### Social Systems, Inc. (SSI) 300 Eastowne Dr. Chapel Hill, NC 27514

Chapel Hill, NC 27514
(919) 493-2495
Thomas Mayor, President
Private
Total Sales FYE 7/80: \$1,000,000 Est.

Computer Services Offered: • Software Products

# Soft Pro Systems, Inc

Richmond, CA 94805 (415)234-5440

Computer Services Offered: • Software Products

#### Soft-Pack Inc.

4605 Lankershim, No. 350 N. Hollywood, CA 91602 (213) 877-1153 Alan Denny, President

#### SoftCorp International, Inc

229 Hüber Village Blvd Westerville, OH 43081 (614)890-2820 Computer Services Offered: • Software Products

## SofTech Microsystems Inc

460 Totten Pond Road

See: SofTech, Inc.

#### SofTech, Inc.

Waltham, MA 02154 (617) 890-6900 Justus F. Lowe, Jr., President Public Total Sales FYE 5/82: \$25,999,000 Computer Services Offered: • Software Products • Professional Services

#### SUBSIDIARIES:

#### SofTech Microsystems Inc

9494 Black Mountain San Diego, CA 92126 (714) 578-6105 John Brackett, President

Computer Services Offered: • Software Products

#### Softlink

3255-2 Scott Blvd Santa Clara, CA 95051 (408)988-8011 Reed Rutherford, President

Computer Services Offered: • Software Products

# Softmatics Corporation

44 Mall Rd Burlington, MA 01803 (617) 273-3420 Patrick Shannon, President Private

Computer Services Offered: • Software Products

#### Softool Corporation

340 S. Kellogg Ave. Goleta, CA 93017 (805) 964-0560 Leon Presser, President Private Total Sales FYE 12/80: \$1,

Total Sales FYE 12/80: \$1,250,000 Est. Computer Services Offered: • Software Products

#### Softsel Computer Products, Inc 8295 S La Cienega Blvd

Inglewood, CA 90301 (213)670-9461 Robert Leff, President Private

Total Sales FYE 5/82: \$25,000,000 Est.

Computer Services Offered: • Software Products

# Software & Systems Management, Inc. P O Box 7205

Kansas City, MO 64113 (816) 756-1111 Robert P. Wahlstedt, President

### SOFTWARE '70

Box 3623 Anaheim, CA 92803 (714) 992-2230 Jay Rogers, President

Computer Services Offered: • Software Products

#### Software Ag of North America, Inc. 11800 Sunrise Valley Drive

11800 Sunrise Valley Drive Reston, VA 22091 (703) 860-5050 John Maguire, President Public Total Sales FYE 5/82: \$24,685,852 Cptr. Svcs. Revs. FYE 5/82: \$32,295,852 Computer Services Offered: • Software Products

#### Software Arts Inc

27 Mica Lane
Wellestey, MA 02181
(617)237-4000
Total Sales FYE 7/81: \$4,000,000 Est.
Computer Services Offered: • Software Products

#### Software Authority, The

1270 Oakmead Pkwy
Sunnyvale, CA 94086
(408) 749-9100
David Alderman, President
Private
Computer Services Offered: • Software Products

#### Software Clearing House, The

771 Neeb Rd
Cincinnati, OH 45238
(513/451-6742
William Ivers, President
Private
Total Sales FYE 7/82: \$5,000,000
Computer Services Offered: • Software Products

## Software Concepts, Inc.

Acquired and merged with: Software Dimensions Inc.

#### Software Connections, Inc

1800 Wyatt Dr, Ste 17 Santa Clara, CA 95054 (408)988-3704 Buck Gee, President

Private

Computer Services Offered: 

Software Products

#### Software Consulting Services

901 Whittier Drive Allentown, PA 19103 (215) 797-9690 Martha Cichella, Partner

Private

Computer Services Offered: • Software Products •

Professional Services

### Software Corporation of America

455 Carlisle Dr Herndon, VA 22070 (703)471-1545

Computer Services Offered: • Software Products

### Software Customizing and Development

1549 Los Angeles Ave. Ventura, CA 93004 (805) 647-3929 Bill Nunnally, Partner

Computer Services Offered: • Software Products

#### SUBSIDIARIES:

#### SDA Federal Systems

7500 Greenway Ctr Drive Greenbelt, MD 20770 (301)345-6060 Richard Hampson, President Computer Services Offered: • Professional Services

### Software Design Associates, Inc.

71 Fifth Ave New York, NY 10003 (212)741-5200 Jay N. Goldberg, President Private

Total Sales FYE 12/81: \$18,100,000 Cptr. Svcs. Revs. FYE 12/81: \$18,000,000 Computer Services Offered: • Software Products • Professional Services

#### SUBSIDIARIES:

### SDA Products, Inc.

260 Madison Ave. New York, NY 10016 (212) 686-2032 Lloyd Baldwin, President

# Software Design, Inc.

# Software Development and Maintenance,

Inc.

134 Spring Ave P.O. Box 668 Fuquay Varina, NC 27526 (919) 552-5662 P. Eugene Truelove, President

Private
Total Sales FYE 3/82: \$750,000 Est.
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Software Dimensions, Inc.

6341 Auburn Blvd Citrus Heights, CA 95610 (916)722-8000 Ronnie Green, President

Total Sales FYE 7/81: \$2,500,000 Est.

#### Software Dynamics

2111 W. Cresent Ave. Anaheim, CA 92801 (714) 635-4760 Ira Baxter, Owner

Computer Services Offered: 

Software Products 

Professional Services

#### Software Engineering Associates, Inc.

23864 Hawthorne Blvd. Suite 200 Torrance, CA 90505 (213) 373-8901 Terry Dunbar, President Private

Total Sales FYE 7/80: \$500,000 Est.

Computer Services Offered: • Professional Services

#### Software Factory

P.O. Box 690 Valley Forge, PA 19481 (215) 783-0500 Arthur Esch, President

# Software House

1105 Massachusetts Ave. Cambridge, MA 02138 (617) 661-9440 Private

Computer Services Offered: . Software Products

#### Software Hows

PO Box 36275 Los Angeles, CA 90036 (213)731-0876 Computer Services Offered: \* Software Products

#### Software Info Services Inc

3600 Wilshire Blvd, Ste 1510
Los Angeles, CA 90010
(213) 380-0466
Computer Services Offered: • Software Products • Professional Services

#### Software Information Systems See: Dealer Services Corp.

Software International Corp. See: General Electric Company

### Software International Inc

1207 Bridgeway, Ste 2 Sausalito, CA 94965 (415)332-8543

Computer Services Offered: . Software Products

#### Software Management Systems

84 Inverness Circle, E. Englewood, CO 80112 (303)741-3185 Dan Kummet, President

Private Total Sales FYE 12/80: \$375,000 Est.

Computer Services Offered: • Turnkey Systems

#### Software Module Marketing Crocker Bank, Penthouse 1007 7th St.

Sacramento, CA 95814 (916) 441-7234 Harris A. Herman, President

Private
Total Sales FYE 9/81: \$4,000,000
Computer Services Offered: • Software Products •
Professional Services

### Software Plus, Inc.

9929 W Jefferson Blvd
Culver City, CA 90230
(213)204-5570
George Tate, President
Private
Total Sales FYE 7/82: \$7,500,000 Est.
Computer Services Offered: • Software Products

# Software Publishing Corporation

1901 Landings Dr
Mt View. CA 94043
(415)962-8910
Fred Gibbons, President
Private
Total Sales FYE 9/82: \$8,000,000
Computer Services Offered: • Software Products

#### Software Pursuits, Inc. 444 Market St., Ste. 800

San Francisco, CA 94111 (415)392-7171 Laurence Salveson, President Private Total Sales FYE 9/81: \$1,700,000 Computer Services Offered: • Software Products

#### Software Research Associates

P.O. Box 2432 San Francisco, CA 94126 (415) 957-1441 Edward F. Miller, PH.D., President

#### Software Research Corp.

140 Gould Street
Needham Heights, MA 02194
(617) 449-5310
Allen Vecchio, President
Private
Total Sales FYE 3/81: \$1,250,000 Est.
Computer Services Offered: • Processing • Software

Products • Professional Services

Software Resources

2020 Montrose Suite 202 Houston, TX 77005 (713) 521-0366

Private
Computer Services Offered: • Processing • Software
Products • Professional Services • Turnkey Systems

#### Software Sciences, Inc.

2814 N.W. New Spring Rd.
Atlanta, GA 30339
(404)433-0078
Computer Services Offered: • Software Products

#### Software Services 1944 N 1575 West

Layton, UT 84041 (801)825-8909 Jerry Pabst, President Computer Services Offered: • Software Products

#### Software Shoppe, The

See: CGA Computer Associates Inc.

#### Software Solutions Inc. 201 N. East Street

Lebannon, OH 45036 (513) 932-6667 Jay Rettig, President Private Total Sales FYE 6/81: \$600,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Software Solutions, Inc.

26 Computer Drive East
Albany, NY 12205
(518) 458-1860
Thomas A. Duchesneau, President
Private
Computer Services Offered: • Software Products •
Professional Services

#### Software Store Ltd.

4900 Leesburg Pike

706 Chippewa Square
Marquette, MI 49855
(906) 228-7622
Private
Total Sales FYE 1/80: \$150,000 Est.
Computer Services Offered: • Software Products

#### Software Systems Associates

Alexandria, VA 22302 (703)98-0436 Ron Walker, President Private Total Sales FYE 7/81: \$400,000 Est. Computer Services Offered: • Professional Services

#### Software Systems Inc

1570 North Main PO Box 31 Spanish Fork, UT 84660 (801)798-985 Steven Hutchings, President Computer Services Offered: • Software Products

## Software Systems Inc.

3015 S. 40th St. Phoenix, AZ 85040 (602)276-3401

Computer Services Offered: • Software Products

# Directory of Computer Services Companies

#### Software Techniques, Inc.

5242 Katella Ave, Ste 101

Los Alamitos, CA 90720 (213)594-9405 Computer Services Offered: . Software Products .

# Software Technology for Computers

PO Box 420 Belmont, MA 02178

Professional Services

(617)923-4334 Computer Services Offered: • Software Products

### Software Works Inc.

Box 4386 Mountain View, CA 94040 (408) 736-9438

Richard Milewski, President

Total Sales FYE 2/80; \$100,000 Est. Computer Services Offered: • Software Products • Professional Services

#### Softworks, Inc.

8023 Malcolm Rd Clinton, MD 20735 (301) 868-4221

Computer Services Offered: . Software Products

#### Solar Data Services Ltd.

100 East Dr. Bramalea, ON L6T1B (406) 791-1786 Gordon Halbot, President

Computer Services Offered: • Processing

#### Solid Software Inc.

7 Piedmont Center, Ste 700 Atlanta, GA 30305 (404)952-7709 Jim Reeves, Vice President Computer Services Offered: . Software Products

SOLVation, Inc

#### 400-1 Totten Pond Rd Waltham, MA 02154

(617)890-8585 Computer Services Offered: • Turnkey Systems

# Somerset Software and Data Processing

P.O. Box 452 Somerset, PA 15501 (814) 443-2891

# Sophisticated Data Research, Inc.

2251 Perimeter Pk Dr, Ste 3 Atlanta, GA 30341 (404) 458-2288 Spencer B. Roane, President

Private Total Sales FYE 12/80: \$849,000

Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

#### Sorcim Corporation

2310 Lundy Ave San Jose, CA 95131 (408) 942-1727 Bob Robertson, President

Total Sales FYE 6/82: \$5,000,000

Computer Services Offered: . Software Products

#### SOTA Computer Systems

11 Grace Avenue PO Box 99 Great Neck, NY 11022 (516)487-6556 Mel Lintz, President Total Sales FYE 7/81: \$500,000 Est. Computer Services Offered: . Software Products . Professional Services

### Source Data Systems, Inc.

208 Second Ave. S.E. Cedar Rapids, IA 52406 (319) 366-7361 Robert Barnett, President

Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

# Source Data, Inc.

500 E Morehead St PO Box 36213 Charlotte, NC 28213 (704)372-8094 Dennis A McClain, President

Private

Total Sales FYE 12/81: \$400,000 Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

# Source Telecomputing Corp.

See: Reader's Digest Association

#### South Hills Computer Center Inc. P.O. Box 10902

Pittsburgh, PA 15236 (412) 664-8200 Private

Total Sales FYE 7/81: \$2,000,000 Est. Computer Services Offered: • Processing • Software Products • Turnkey Systems

## Southeast Weather Consultants, Inc.

P.O. Box 20637 Atlanta Airport Branch Atlanta, GA 30320 (404) 761-6991

#### Southern Computer Systems, Inc. 586 Shades Crest Road

Birmingham, AL 35226 (205) 933-1659 Stephen M. Freeman, President Private Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Southwest Data Center

See: Citicorp

### Southwest Modular Systems, Inc.

731 Lingco, Suite 103 Richardson, TX 75080 (214) 690-6720 Mike Cunningham, President

Private

Total Sales FYE 2/81: \$1,500,000 Computer Services Offered: • Turnkey Systems

### Southwest Software Services Inc

3602 E Randol Mill Rd Arlington, TX 76011 (817)481-5573 Computer Services Offered: . Software Products

### Southwestern Computer Services

614 Don Gespar PO Box 2710 Sante Fe, NM 87501 (505)983-8700 Donald Fry, President

Computer Services Offered: • Processing

#### Southwestern Computing Service

1631 South Boston Tulsa, OK 74119 (918) 587-3321 Thomas J. Bevan, President Private

Total Sales FYE 3/80; \$825,000 Est. Computer Services Offered: • Processing

### Space Age Computation Systems

PO Box 12823 Pittsburgh, PA 15241 (412) 941-5388 Larry Hugh Brown, Owner

Computer Services Offered: • Software Products • Professional Services

# Space Age Computers Inc.

4400 Jenifer St. N.W. Washington, DC 20010 (202) 363-3100 Jose Blanco Jr., President

Private Total Sales FYE 12/81; \$10,100,000 Computer Services Offered: • Processing • Turnkey Systems

#### SPAN Management Systems See: Filchris Corporation

#### Specialized Computer Services Inc.

5625 O Street, #3 Lincoln, NE 68510 (402) 489-8845 Wayne C. Walkenhorst, President Private Computer Services Offered: • Processing

### Specialized Computer Services Inc.

P.O. Box 4645 Portland, OR 97208 (503) 248-0144 Don R. Lindsay, President

Private Computer Services Offered: • Processing

# Specialty Automated Services

5531 N 13th Ave Suite 404 Phoenix, AZ 85013 (602)277-3021

Bill Lajoie, President

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### Specialty Computer Services Inc.

112 So. Second Ave P.O. Box 617 Marshalltown, IA 50158 (515)752-6550

James D. Lewis, President Private

Total Sales FYE 6/82; \$700,000

Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Spectra Medical Systems, Inc.

See: Whittaker Corporation

#### Spectrogram Corporation

385 State Street North Haven, CT 06473 (203) 281-0121 Herbert Gram, President

Computer Services Offered: • Software Products

### Spectron Corporation

1517 South Harvard Tulsa, OK 74114 (918) 743-6431 M.C. Josephs, President

Private Total Sales FYE 9/81; \$900,000

Computer Services Offered: • Processing

#### Spectrum International Inc.

6101 W. Centinela Ave. Suite 150 Culver City, CA 90230 (213)417-5150 John D. Toellner, President Private

Total Sales FYE 6/82: \$2,000,000 Est. Computer Services Offered: • Professional Services

## Sperry Rand Corporation

#### DIVISIONS:

### Sperry Univac

PO Box 508 Blue Bell, PA 19422 (215) 542-2900 G.G. Probst, President

Cptr. Svcs. Revs. FYE 3/82: \$170,000,000 Est. Computer Services Offered: . Software Products . Professional Services

# Sperry Univac

See: Sperry Rand Corporation

# Directory of Computer Services Companies

## Spickler Bookkeeping and Accounting

Service

2300 Fifth Avenue Rock Island, IL 61201

(309) 788-5543 Louis M. Spickler, President

Computer Services Offered: • Processing

# Spiridellis & Associates, Inc. See: CAP Gemini Sogeti

Sports Data Inc.

6960 Aragon Circle Buena Park, CA 90620 (714) 994-6420

Joe Guardino, President Private

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Spring Rock Consultants, Inc.

175-11 148th Ave Jamaica, NY 11434 (212)995-4384

Richard Roller, President

Computer Services Offered: • Software Products

### Squire, Buresh Associates Inc

4 East Central, Ste 2029 Worcester, MA 01613

(617) 832-6430

Computer Services Offered: 

Software Products

# St. Joseph Bank & Trust Company-Trust Software Div.

See: St. Joseph Bank & Trust Company

## St. Joseph Bank & Trust Company

#### DIVISIONS:

# St. Joseph Bank & Trust Company-Trust

Software Div. 202 S. Michigan Street South Bend, IN 46601

South Bend, IN 46601 (219) 237-5259 Richard Rosenthal, President Computer Services Offered: • Processing • Software

Products

St. Joseph Systems
See: Systematics, Inc.

Sta-Fed Computer Services Inc.
Name changed to: TLS Company

Standard & Poor's

#### SUBSIDIARIES:

### Standard & Poor's Compustat Services

Inc. 7400 S. Alton Court Englewood, CO 80112

(303) 771-6510 Jay Edward McIntire, President Total Sales FYE 12/80: \$19,000,000 Est. Computer Services Offered: • Processing

# Standard & Poor's Compustat Services

Inc.

See: Standard & Poor's

### Standard Data Corp.

1540 Broadway New York, NY 10036 (212) 586-3100

#### Standard Oil of Indiana

#### SUBSIDIARIES:

#### AMOCO Computer Services Company 200 East Randolph Drive

Chicago, IL 6060l (312) 856-6480

Gerald M. Hoffman, Executive Vice President

#### Standard Systems, Inc.

693 Cochituate Rd. Framingham, MA 01701 (617) 872-2414 John Haughey, President

Private

Computer Services Offered: • Software Products • Turnkey
Systems

### Stanford Engineering Corp.

44800 Industrial Dr Fremont, CA 94538 (415) 657-7555

Computer Services Offered: . Software Products

### Stanley Works

#### DIVISIONS:

#### Vidmar, Stanley

11 Grammis Rd Allentown, PA 18103 (215)797-6600

(213)797-0000 William Devaney, President
William Devaney, President
Total Sales FYE 7/81: \$6,300,000 Est.
Computer Services Offered: • Turnkey Systems

#### Star Computer Systems Inc 18051 Crenshaw Blvd., Ste D Torrance, CA 90504

(213) 538-2511 William G Webster, President

Private
Total Sales FYE 7/82: \$675,000 Est.

Computer Services Offered: • Software Products

#### Star Inc

1201 Flower St Bakersfield, CA 93305 (805)324-6041

Computer Services Offered: . Software Products

#### Star Value Software

12218 Scribe Dr Austin, TX 78759 (512)837-5498 Leonard Yates, President

Computer Services Offered: • Software Products

#### Stat-Tab

See: Statistical Tabulation Corporation

#### State of the Art Inc

3183 A Airway Ave Costa Mesa, CA 92626 (714) 850-0111 Charles Milden, President

Computer Services Offered: • Software Products

### State Space Systems Inc.

2091 Business Center Dr, Suite 100 Irvine, CA 92715 (714)752-9454 Allen Cameron, President Total Sales FYE 7/82: \$1,500,000 Computer Services Offered: • Software Products

SUBSIDIARIES:

Boston Financial Data Services PO Box 953 Boston, MA 02103 (617) 328-5000

Manuel Goldberg, President

Computer Services Offered: • Processing

#### State Street Bank

#### State Street Bank & Trust Company P.O. Box 351

Boston, MA 02101 (617) 786-5317

#### Statement Service Company

1242 West 1st Street Los Angeles, CA 90026 (213) 488-9761

Total Sales FYE 1/80: \$1,500,000 Computer Services Offered: . Processing

## Station Business Systems

See: Control Data Corporation

#### Statistical Financial Systems

360 North Michigan Chicago, IL 60601 (312)781-0002 Ralph Moore, Partner

Computer Services Offered: • Processing • Professional Services

# Statistical Tabulating Corporation

2 North Riverside Plaza Chicago, IL 60606 (312) 454-8000 Michael R. Notaro, Sr., Chairman and President

Total Sales FYE 12/81: \$25,000,000 Computer Services Offered: • Processing

#### SUBSIDIARIES:

#### Stat-Tab

2 North Riverside Plaza Chicago, IL 60606 (312)454-8000 Michael R. Notaro, President Computer Services Offered: • Processing

#### Stephens-Nelson Computer Center 426 East 3rd PO Box 4246

Spokane, WA 99202 (509) 624-3203 Don Nelson, President Private Total Sales FYE 3/81: \$800,000 Computer Services Offered: • Processing

#### Sterling Computer Systems, Inc. See: Sterling Electronics Corporation

### Sterling Electronics Corporation

SUBSIDIARIES:

#### Sterling Computer Systems, Inc.

4211 Southwest Freeway Houston, TX 77027 (713) 623-6770 Richard Hatch, President

#### Sterling Software, Inc.

1001 Campbell Centre 8350 N Central Expressway Dallas, TX 75206 (213)987-6464 Sterling Williams, President Private

Computer Services Offered: • Software Products

#### Sterling Systems

1749 Old Meadow Rd. McLean, VA 22102 (202) 827-9000

Robert L. Quinichett, Chairman and President

Total Sales FYE 3/82: \$16,415,109 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### Stix Financial Services

## 1129 Francis Place

St. Louis, MO 63117 Computer Services Offered: . Processing . Turnkey Systems

# Directory of Computer Services Companies

### Stockholder Systems Inc.

1965 N Parkplace, Ste 200 Atlanta, GA 30339

(404)952-3387 Larry A. Dean, Chairman and President

Total Sales FYE 3/82: \$4,700,000 Computer Services Offered: • Software Products

# Stone & Webster Management

Consultants Inc. PO Box 5406 Denver, CO 80217

(303)770-7700 Computer Services Offered: • Professional Services

## Stonehenge Computer Systems, Inc.

344 E. 9th St., Ste 15 New York, NY 10003 (212) 838-4608

Leon Smith, President

Total Sales FYE 3/80: \$200,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Stoner Associates, Inc.

P.O. Box 86 Carlisle, PA 17013 (717) 243-9212

Michael Stoner, President

Computer Services Offered: . Software Products . Professional Services

Stoneware, Inc Department 101 50 Belvedere St San Rafael, CA 94901 (415)454-6500 Kenneth H. Klein, Chief Executive Officer

Total Sales FYE 7/82: \$2,500,000 Computer Services Offered: • Software Products

## Storage Technology Corporation

#### SUBSIDIARIES:

#### STC Systems, Inc.

4 North St Waldwick, NJ 07463 (201)445-5050 Frank Biamonte, General Manager Total Sales FYE 12/81: \$7,000,000 Computer Services Offered: • Turnkey Systems

#### SUBSIDIARIES:

#### Ultimacc Business Systems

4 North St Waldwick, NJ 07463 (201)445-5050 George Palmonis, President Computer Services Offered: • Turnkey Systems

### Strata Search Processing Co., Inc

211 S Cheyenne PO Box 3689 Tulsa, OK 74101 (918) 584-5505 Jerry James, President Computer Services Offered: • Processing

#### Strategic Information

See: Ziff-Davis Publishing Company

### Strategic Office Systems

2300 County Center Dr. Suite 118 Santa Rosa, CA 95401 (707)526-9243 Homi Dastur & Frank Burroughs, Partners Private Computer Services Offered: • Processing

Strategic Planning Associates 955 Massachusetts Ave. Cambridge, MA 02139 (617)491-9200 Private

Computer Services Offered: • Processing

### Stratmar Systems, Inc.

385 Madison Ave New York, NY 10017 (212)838-1155

Computer Services Offered: . Software Products

# Structural Dynamics Research Corporation

Computer services portion sold. Now: General Electric CAE International

#### Structural Members Users Group

University Station PO Box 3958 Charlottesville, VA 22903 (804) 296-4906 Walter D. Pilkey, President

Computer Services Offered: 

Software Products

#### Structural Programming Inc. See: Mitchell Systems Inc.

### Structured Methods, Inc.

7 West 18th Street New York, NY 10011 (212) 741-7720 Mark Rosen, President Private

Total Sales FYE 11/81: \$1,400,000 Computer Services Offered: • Professional Services

#### Structured Systems Group, Inc.

5208 Claremont Ave. Oakland, CA 94618 (415) 547-1567 Keith Parsons, President

Private Total Sales FYE 12/81: \$2,800,000 Computer Services Offered: . Software Products

# Subsystems, Inc.

1249 Birchwood Drive Sunnyvale, CA 94086 (408) 744-0190

#### Sullins & Associates

8303 Southwest Freeway Houston, TX 77004 (713) 988-1900 George Sullins, President

Computer Services Offered: . Processing . Software Products • Professional Services • Turnkey Systems

#### Summagraphics Corporation 35 Brentwood Ave. P.O. Box 781

Fairfield, CT 06430 (303) 384-1344 Paul E. Huber, President Total Sales FYE 5/82: \$25,000,000 Cptr. Svcs. Revs. FYE 5/82; \$7,500,000 Est. Computer Services Offered: • Turnkey Systems

#### Sun Country Financial Corporation See: Valley National Corporation

#### Sun Information Services Company

280 King of Prussia Rd

Radnor, PA 19087 (215) 293-8000 John Ryan, President Total Sales FYE 12/81: \$123,000,000 Cptr. Svcs. Revs. FYE 12/81: \$53,000,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

#### Applied Financial Systems

155 Bovet Road San Mateo, CA 94402 (415) 574-4940 Richard E. Lucas, President Computer Services Offered: . Processing . Software Products

#### Catallatics, Inc. 11 Salt Creek

Hinsdale, IL 60521 (312) 920-3100 Philip Dowd, President Computer Services Offered: . Processing . Software Products . Professional Services

#### NMF Inc.

4822 Albemerle Rd, Stc.130 Charlotte, NC 28205 (704) 568-5180 Philip Manning, President Computer Services Offered: . Processing

#### Sunbelt Computer Services

9202 B Markville Dr Dallas, TX 75243 (214)690-3114 Private Total Sales FYE 12/80; \$150,000 Computer Services Offered: • Processing • Professional

# Superior Data Processing Service 144 N. San Gabriel Blvd.

San Gabriel, CA 91775 (213) 444-4411 Bernard Shamrock, President

Computer Services Offered: • Processing • Professional Services . Turnkey Systems

# Superior Software 111 W. Second Street

Jamestown, NY 14701

# (716) 664-3843 Superset Inc.

11035 Roselle St San Diego, CA 92121 (714) 452-8665 Ian Hirschsohn, President Private Total Sales FYE 12/81: \$1,000,000 Computer Services Offered: • Software Products

### SuperSoft Associates

PO Box 1628 Champaign, IL 61820 (217)359-2112 Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: . Software Products

#### Survey Tabulation Services Inc. 1218 Massachusetts Ave.

Cambridge, MA 02138 (617) 547-6475 Leonard Spar, President Private Total Sales FYE 10/81; \$450,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

## Swift Computer Services

Name changed to: Global Data Midwest Corp.

#### Swiss Colony Cheese Corp.

#### DIVISIONS:

Sycom

# Swiss Colony Data Center, Inc.

Monroe, WI 53566 (608) 328-8600 James Bybee, Vice President Computer Services Offered: • Processing

# Swiss Colony Data Center, Inc. See: Swiss Colony Cheese Corp.

PO Box 7947 Madison, WI 53707 (608)271-1133 Richard Rehberg, General Manager Total Sales FYE 12/81: \$10,000,000 Est.
Cptr. Svcs. Revs. FYE 12/81: \$5,000,000 Est.
Computer Services Offered: • Processing • Turnkey Systems

# Directory of Computer Services Companies

## Sygnetron, Inc Protection Systems

Division

2103 Green Spring Dr. Timonium, MD 21093

(301)252-1454 Computer Services Offered: • Professional Services

#### Syncsort Inc.

560 Sylvan Avenue Englewood Cliffs, NJ 07632 (201) 568-9700

Aso Tavitian, President

Private Total Sales FYE 12/81: \$13,500,000 Computer Services Offered: . Software Products

### Synectics Corporation

10400 Eaton Place Suite 200 Fairfax, VA 22030 (703) 385-0190 James W. Altman, PH.D., President

Total Sales FYE 12/80: \$3,000,000

Cptr. Svcs. Revs. FYE 12/80: \$2,481,806 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

#### Synercom Technology, Inc.

500 Corporate Dr PO Box 27 Sugarland, TX 77478 (713) 491-5000 Thomas E. Moore, President

Total Sales FYE 10/82; \$20,000,000 Est. Computer Services Offered: • Turnkey Systems

#### Synergetics Corporation

1 DeAngelo Drive Bedford, MA 01730 (617) 275-0250 Alexander DeVito, President

Computer Services Offered: • Software Products

### Synergos, Inc.

3333 Eastside, Ste. 210 Houston, TX 77098 (713)528-3885 Michael S. Bodner, President Computer Services Offered: • Turnkey Systems

Synergy Systems, Inc.

501 Fifth Avenue New York, NY 10017 (212) 697-0660 Robert Catalano, President

#### Syntel

124 Marquette Ave South Bend, IN 46617 (219)234-8779

Computer Services Offered: • Software Products

#### Sysco Inc.

50 Van Buren Avenue Westwood, NJ 07675 (201) 666-4052 Joel Quigley, President

Computer Services Offered: • Processing

#### Syscom, Inc.

10300 Sunset Dr. Ste 250 Miami, FL 33173 (305)279-2253 John Henderson, President Private Total Sales FYE 7/82: \$800,000 Est.

Computer Services Offered: • Software Products

#### SYSCON Corporation 1054 31st Street NW

Washington, DC 20007 (202) 342-4000 J.J. Yglesias, President Public

Total Sales FYE 11/81: \$62,500,000 Cptr. Svcs. Revs. FYE 11/81: \$54,750,000
Computer Services Offered: • Software Products • Professional Services

#### Syscon Design Inc

Name changed to: Manhattan Systems Inc.

#### SYSGEN, Inc.

3001 Academy Dr. Suite 110 Durham, NC 27707 (919) 489-2353 J. F. Jennings, President

#### Sysorex International Inc.

10590 N. Tantau Ave. Cupertino, CA 95014 (408) 996-9363 Abdus Salam Qureishi, Chairman and President Computer Services Offered: • Turnkey Systems

#### Systar Corporation

1762 Technology Drive Suite 208 San Jose, CA 95110 (408) 280-7066 David Retz, President Private Computer Services Offered: • Software Products • Professional Services

#### Systech Inc.

See: Technology Management Systems International

### System Automation Corporation

8555 16th Street Silver Spring, MD 20910 (301) 565-9400 Alfred Rubin, President Private Total Sales FYE 6/81; \$4,000,000 Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### Telemanagement System, Inc.

Waltham, MA 02154 (617)894-1955 Alfred Rubin, President

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### System Communication Corp

1721 Pech St Houston, TX 77055 (713)468-9411 H H West, President Private

Total Sales FYE 4/82: \$640,000 Computer Services Offered: • Processing

#### System Development Corporation See: Burroughs Corporation

System Integration Associates 81 Lancaster Ave L-13, Green Valley Center Malvern, PA 19355 (215)296-7420

Computer Services Offered: • Turnkey Systems

# System Programming Resources, Inc.

1211 W. 22nd St. Oak Brook, IL 60521 (312) 654-4188 Gene Figliulo, President

Computer Services Offered: • Professional Services

System Science & Software (S3) 3398 Carmel Mountain Road San Diego, CA 92121 (714) 453-0060 Vernon H. Blackman, PH.D., President Computer Services Offered: • Processing

### System Support Software, Inc.

5230 Springboro Pike Dayton, OH 45439 (513) 435-9514 Thomas F. Kirby, President Private Total Sales FYE 12/80; \$1,000,000 Est. Computer Services Offered: • Software Products

### System-Kontakt, Inc.

6 Preston Court Bedford, MA 01730 (617) 275-2333 Mark P. White, President Computer Services Offered: • Software Products

SUBSIDIARIES:

#### St. Joseph Systems PO Box 6488

South Bend, 1N 46660 (219)256-5548 John C Schuster, President Computer Services Offered: . Processing . Software Products

Systematics, Inc. 4001 Rodney Parham Rd PO Box 7580 Little Rock, AR 72212 (501)233-5100 Walter Smiley, President

Public Total Sales FYE 5/82: \$49,308,000 Computer Services Offered: • Processing

#### Systemation, Inc. Two Commerce Park Square 23200 Chagrin Blvd.

Cleveland, OH 44122 (216) 464-8616 William C. Stilson, President Private

Total Sales FYE 1/81: \$4,700,000 Computer Services Offered: . Software Products . Professional Services

### Systemhouse Ltd.

Royal Bank Centre 90 Sparks St Ottawa, ON K1P6B (613)234-6544 Jack Davies, President Public Total Sales FYE 8/81: \$30,541,235 Cptr. Svcs. Revs. FYE 8/81: \$29,275,339
Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Systemhouse, Inc. 1300 North 17th, Ste 1535 Arlington, VA 22209 (703) 549-8488

### Systemix

See: Xerox Corporation

#### Systems & Consulting Services Inc. 109 State St.

Boston, MA 02109 (617)720-2300 Gerard J. Roy, President Total Sales FYE 2/81: \$1,000,000 Est. Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

### Systems & Software, Inc.

R.D.2, Box 51A Williston, VT 05495 (802) 863-5569 William H. Willey, President Private

Total Sales FYE 4/80: \$175,000 Est. Computer Services Offered: • Software Products • Professional Services

### Systems and Applied Sciences Corporation (SASC)

6811 Kenilworth Ave Riverdale, MD 20840 (301) 699-5400 Porter L. Bankhead, President

Private Total Sales FYE 6/81: \$19,000,000 Computer Services Offered: • Processing • Professional Services • Turnkey Systems

- 209 -

# Directory of Computer Services Companies

# Systems and Computer Technology

Great Valley Corporate Center Four Country View Rd Malvern, PA 19355

(215) 647-5930 Frederick A. Gross, President

Total Sales FYE 9/81; \$42,000,000 Est. Computer Services Offered: • Processing • Professional

Services

# Systems and Programming International

2 Dean Drive Tenafly, NJ 07670 (201) 567-3125

Dimitri Cotomatas, President

Total Sales FYE 12/80; \$1,550,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### SUBSIDIARIES:

### Radio Computing Services Inc.

2 Dean Drive Tenafly, NJ 07670 (201)567-3125

Andrew Economos, President Computer Services Offered: • Processing • Turnkey Systems

# Systems and Programming Resources Inc. 1211 W. 22nd St. Suite 600

Oakbrook, IL 60521 (312) 654-4188

Gene Figliwlo, President Private

Total Sales FYE 9/82: \$16,500,000 Est.

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Systems and Software Inc.

1315 Butterfield Rd, Ste 230 Downers Grove, IL 60515 (312)960-1181

Y. P. Chien, General Manager Private Total Sales FYE 6/82: \$750,000

Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

### Systems Architects Inc.

55 Thomas Patten Dr. Randolph, MA 02368 (617)961-2700 George Pan, President

Total Sales FYE 2/81: \$5,700,000

Computer Services Offered: Processing Software

Products Professional Services Turnkey Systems

### Systems Associates Inc.

412 East Boulevard PO Box 36305 Charlotte, NC 28236 (704) 333-1276

John Weil, President

Total Sales FYE 1/82: \$9,500,000 Computer Services Offered: • Turnkey Systems

# Systems Consultants, Inc Name changed to: SYSCON Corporation

#### Systems Control Group See: British Petroleum

# Systems Control Technology, Inc.

1801 Page Mill Road Palo Alto, CA 94303 (415)494-2233

Computer Services Offered: • Software Products

### Systems Coordination Inc

109 S E Highway 19 Suncoast Plaza Crystal River, FL 32629 (904)795-6596 John Beresford, President

Private Total Sales FYE 12/81: \$6,000,000 Est. Computer Services Offered: • Software Products

### Systems Data Inc.

2830 Copley Rd. P.O. Box 4297 Akron, OH 44321 (216) 666-0085 William B. Frantz, President

Private Total Sales FYE 6/81: \$510,000

Computer Services Offered: • Turnkey Systems

### Systems Data Processing Corporation

Products • Professional Services • Turnkey Systems

701 Howe Avenue Suite A20 Sacramento, CA 95825

(916) 929-5740 R.W. Johnson, President

Private Total Sales FYE 1/81: \$1,300,000 Computer Services Offered: . Processing . Software

SUBSIDIARIES:

### Systems Data Processing Corporation San Jose

1150 Coleman Ave San Jose, CA 95110 (408)727-3000

William D. Brereton, President Computer Services Offered: . Processing . Software Products . Turnkey Systems

# Systems Data Processing Corporation San

Jose See: Systems Data Processing Corporation

### Systems Design & Development Corporation

2355 Canyon Blvd. Boulder, CO 80302 (303) 449-3634

A. Kolwicz, President Private

Total Sales FYE 12/81: \$1,100,000 Computer Services Offered: . Software Products

Services

# Systems Designs

Cranston, RI 02920 (401)943-5820

Edward Poyer, Owner

Computer Services Offered: • Software Products

# Systems Dimensions Limited Acquired by: Datacrown Inc.

# Systems Engineering Computer Co. See: Continental Financial Services

# Systems Group, The

P.O. Box 435 Unionville, CT 06085 (203) 677-7155 Don Berry, Senior Partner

Don Berry, Senior Partner

Computer Services Offered: 

Professional Services 

Turnkey Systems

### Systems Groups Associates, Inc.

PO Box 2728 Hyattsville, MD 20784 (202)347-2632

Computer Services Offered: • Processing • Professional Services

### Systems Guild Inc.

91 North State Rd. Briarcliff Manor, NY 10510 (914) 762-4040

#### Systems Integration, Inc. 158 Linwood Plaza

158 Linwood Plaza Fort Lee, NJ 07024 (201) 592-7500 Paul Guinzburg, President rivate

Computer Services Offered: 

Software Products 
Professional Services

# Systems Integrators, Inc

PO Box 13626 Sacramento, CA 95853 (916)929-9481

Total Sales FYE 7/81: \$15,200,000 Est.

Computer Services Offered: • Turnkey Systems

# Systems Interchange Corp. 660 N. Tamiami Trail Suite 21

Naples, FL 33940 (813) 262-2683 Computer Services Offered: • Processing

# Systems Management Corporation

846 Main St. Norwalk, CT 06851 (203) 846-9537 G.R. Ross, President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services • Turnkey Systems

### Systems Management American Corp.

1745 Jefferson Davis Hwy Suite 1010
Arlington, VA 22202
(202)920-5303
Computer Services Offered: • Processing • Professional

#### Systems Management Inc. 10400 West Higgins Road

10400 West Higgins Road Rosemont, IL 60118 (312) 298-3840 George M. Ridgway, President Private Total Sales FYE 6/81: 510,131,000 Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Systems Network Inc 3030 South 9th St Kalamazoo, MI 49009

(616)375-5757

David H Crenshaw, President

Computer Services Offered: • Software Products

### Systems Northwest, Inc. 114 S. Franklin St.

Juneau, AK 99801 (907) 586-6140 Steven Boley, President Private

Computer Services Offered: • Processing • Software Products • Professional Services

#### Systems Planning Corporation P.O. Box 7508

Dallas, TX 75209 (214) 368-3348 John Cunningham, President

### Systems Plus Inc

1120 San Antonio Rd Palo Alto, CA 94303 (415) 969-7047 Richard Mehrlich, President Private Cotal Sales FYE 1/82; \$10,000.0

Total Sales FYE 1/82: \$10,000,000
Cptr. Sves. Revs. FYE 1/82: \$9,500,000
Computer Services Offered: • Software Products •
Professional Services

### Systems Research Incorporated

2400 Science Pkwy.

Okemos, MI 48864

(\$17) 349-0200

Alan Dale, President

Private

Computer Services Offered: • Processing • Software

Products • Professional Services

#### Systems Research Laboratories 2800 Indian Ripple Road

Dayton, OH 45440 (513)426-6000 Fritz Russ, President Private

Private
Total Sales FYE 12/81: \$50,000,000
Cptr. Svcs. Revs. FYE 12/81: \$12,500,000
Computer Services Offered: • Processing • Professional Services

# Directory of Computer Services Companies

### Systems Software International Inc. (SSI)

P.O. Box 160487 Miami, FL 33116 (305) 596-5458

Robert Barbara, President

Computer Services Offered: • Software Products • Professional Services

### Systems Software Technology

See: Automated Business Systems Inc.

# Systems Solutions

5911 SE Willow Street Portland, OR 97222 (503) 652-1249

Computer Services Offered: • Software Products

### Systems Specialists, The

4614 162nd Lane, NW Anoka, MN 55303 (612)421-0939

Computer Services Offered: • Software Products

### Systems Strategies, Inc.

960 Ave. of the Americas New York, NY 10001 (212) 279-8400 Stan Adelman, President

Private Total Sales FYE 5/80: \$2,400,000 Est. Computer Services Offered: . Software Products . Professional Services • Turnkey Systems

# Systems Support Software, Inc.

5230 Springboro Pike Dayton, OH 45439 (513) 435-9514

Computer Services Offered: • Software Products

# Systems Technology

2939 Flowers Rd. S Atlanta, GA 30341 (404) 455-4141 Howard Kaston, President

Computer Services Offered: • Professional Services • Turnkey Systems

### Systems Technology Automated Resources Inc

1201 Flower St Bakersfield, CA 93305 (805)324-6041 David C Rogers, President Computer Services Offered: • Software Products

### Systems Technology Inc.

P.O. Box 563 New Haven, CT 06503 (203) 624-7373 Robert W. Tuttle, President

Systems Technology Services, Ltd.

#### SUBSIDIARIES:

S.T.S. Systems, Inc.

2 Handmark Square Stamford, CT 06901 (203) 348-8055 David A. Mitchell, President

### Systems/Software Engineering

304 Harper Dr Moorestown, NJ 08057 (609)788-0722

Computer Services Offered: . Software Products

# Systonetics, Inc.

801 E Chapman Ave Fullerton, CA 92631 (714)680-0910 Richard I. Tanaka, President

Total Sales FYE 2/82; \$5,556,461 Computer Services Offered: . Software Products . Turnkey

### Systran Commercial Corp

4126 Linden Ave Dayton, OH 45432 (513)252-5601 Computer Services Offered: • Software Products

Systronics Inc.

381 Park Ave. South New York, NY 10016 (212) 689-8726 Irwin Bodek, President

Computer Services Offered: • Processing • Software Products . Professional Services

### Sytech Corporation

7100 Harwin Houston, TX 77036 (713)783-9540 Don Humphrey, President Computer Services Offered: • Processing

Sytek Inc.

1153 Bordeaux Drive Sunnyvale, CA 94086 (408) 734-9000

# T & B Computing Inc. See: Townsend and Bottom Inc

### T C S Software 5582 Peachtree, Ste 207

Atlanta, GA 30362 (404) 455-6162 Richard Stafford, President Private

### TCP Data Processing Services

21-23 Terhune Avenue Lodi, NJ 07644 (201) 778-1881 Thomas Callamori, President

Computer Services Offered: . Processing

### TCS

2923 Hempstead Turnpike Levittown, NY 11756 (212)343-1315

Computer Services Offered: . Processing

### TCS Software Inc

3209 Fondren Rd Houston, TX 77063 (713) 977-7505 Private Total Sales FYE 7/82: \$2,500,000 Est. Computer Services Offered: • Software Products

### TKS Corporation

8510 NW 56th St Miami, FL 33166

(305)593-0010

### Computer Services Offered: . Turnkey Systems

TLS Company 810 First Avenue NE P. O. Box 1686 Cedar Rapids, IA 52406

(319) 365-5211 Von L. Elbert, President Private

Total Sales FYE 6/82: \$10,900,000 Computer Services Offered: • Processing • Turnkey

# TMI Systems Corporation

See: SE1 Corporation

# TRW Inc.

23555 Euclid Ave. Cleveland, OH 44117 (216) 383-2121 Ruben F. Mettler, Chairman and CEO Public

#### DIVISIONS:

### TRW Information Services

505 City Parkway West Orange, CA 92668 (714) 937-2000 Edward J. Brennan, Vice President/General Manager Total Sales FYE 12/81; \$68,000,000 Est. Computer Services Offered: • Processing

#### TRW Information Services See: TRW Inc.

# TSC

See: Houghton Mifflin Company

#### TSI International Ltd. See: Dun and Bradstreet

### Tab Data Systems Inc. 6400 E. Washington Blvd.

Los Angeles, CA 90040 (213) 724-6922 T. MacDonald, President

### Tabershaw Occupational Medicine

Association

See: Control Data Corporation

### Tabs Inc.

1901 West Harrison Harlingen, TX 78550 (512) 423-4416

Roger L. Hackman, President

Computer Services Offered: • Processing • Professional Services

# Tabulating Services Bureau, Inc. 3775 N. Dunlap St. Paul, MN 55112

(612) 484-8468

Skip Lubo, President Private

Total Sales FYE 5/80: \$200,000 Est. Computer Services Offered: • Processing • Professional

### Tace Resources, Inc.

SUBSIDIARIES:

### B-H Computer Systems Inc.

14 South Belmont Street York, PA 17045 (717) 843-0926 B. Leiphant, President

# Tag Inc.

495 Central Park Ave Scarsdale, NY 10583 (914)723-0800 Jerry Kaplan, President Total Sales FYE 7/81: \$250,000 Est. Computer Services Offered: . Software Products . Professional Services

### Tagg Associates

2909 Wilson Blvd. Arlington, VA 22201 (703) 524-8049 George White, President Computer Services Offered: . Software Products

# Tailored Data, Inc.

4940 Viking Dr Edina, MN 55435 (612)831-1260 David W Metzger, President Total Sales FYE 7/82: \$1,000,000 Computer Services Offered: . Software Products

### Talisman Security Systems, Inc

1935 Northwest 9th Corvallis, OR 97330 (503) 758-5415 Carl Aylen, President Computer Services Offered: • Turnkey Systems

# Directory of Computer Services Companies

### Talmadge Hal & Associates

6917 Thomas Rd., E. Scottsdale, AZ 85251 (602)994-9511

Computer Services Offered: • Processing

# Tandem Computers Inc

19333 Vallco Parkway Cupertino, CA 95014 (408)725-6000 James G Treybig, President

Public Total Sales FYE 9/81: \$242,475,000 Cptr. Svcs. Revs. FYE 9/81: \$24,200,000 Est. Computer Services Offered: . Software Products

# Tandy Corporation One Tandy Center Ft. Worth, TX 76102

(817)390-3700 Public

Total Sales FYE 6/81: \$1,885,502,000 Cptr. Svcs. Revs. FYE 6/81; \$40,000,000 Est. Computer Services Offered: • Software Products

# Tap Incorporated

400 Totten Pond Rd. Waltham, MA 12154 (617) 890-4444

# Target Software, Inc.

See: Comshare, Inc.

### TASC

12 Jacob Way Reading, MA 01867 (617) 944-6850

Computer Services Offered: • Software Products

### TASCO

221 Pine St. San Francisco, CA 94104 (415) 421-6790 Zaki Farhat, Chairman Private

Computer Services Offered: . Turnkey Systems

### Taurus Software 870 Market St, Ste 815

San Francisco, CA 94102 (800)358-9999 Computer Services Offered: . Software Products

#### TaxLogic

P.O. Box 1420 Richardson, TX 75080 (214)238-9545

Computer Services Offered: • Processing

# Taxx, Inc. 3715 Division St.

Metairie, LA 70002 (504)455-4481 Computer Services Offered: . Processing

### Taxxon Data Services Corp.

20434 Corisco St Chatsworth, CA 91371 (213)891-5661 Computer Services Offered: . Processing

### Tech Products, Inc.

7700 Leesburg Pike Falls Church, VA 22043

Computer Services Offered: . Software Products

# TechDyn Systems Corp

205 S Whiting St, Ste 400 Alexandria, VA 22304 (703)751-3373 Leo Morrison, President Computer Services Offered: • Professional Services

### Technalysis Corporation

6700 France Avenue South Minneapolis, MN 55435 (612) 925-5900 Vic Rocchio, President Total Sales FYE 12/81; \$6,300,181 Computer Services Offered: . Software Products . Professional Services

#### TechnAssociates, Inc. 777 14th St. NW

Washington, DC 20005 (202) 737-3322 Peter Ythier, President

Computer Services Offered: • Professional Services

#### Technical Advisors Inc. 4455 Fletcher Street

Wayne, MI 48184 (313) 722-5010 Edwin W. Miller, President Computer Services Offered: . Processing

# Technical Analysis Corporation (TAC) 120 West Wieuca Road NE

Atlanta, GA 30342 (404) 252-1045 W. W. Graham, III, President Total Sales FYE 2/80: \$2,000,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Technical Consultants, Inc. 28215 Boulder Circle

Excelstor, MN 55331 (612) 935-4236

### Technical Economics Inc.

P.O. Box 7261 Berkeley, CA 94707 (415) 525-7774 Vera Kahn, President Private

### Technical Support Associates Inc.

1280 Morena Blvd. San Diego, CA 92110 (714)276-3780 Ken Brass, President

Total Sales FYE 7/81: \$825,000 Est. Computer Services Offered: . Software Products

### Technical Systems Consultants Inc. (TSC)

111 Providence Road 1208 Kent Ave. Chapel Hill, NC 27514 (919)493-1451 David Shirk, President

Total Sales FYE 12/80: \$1,000,000 Est. Computer Services Offered: • Professional Services

#### Technicon Data Systems Corporation See: Revion Inc.

# Technicon Medical Information Systems

Name changed to: Technicon Data Systems Corporation

# Technics, Inc 4715 Old Oaks Dr

Lisle, 1L 60532 (312)355-9068 Computer Services Offered: . Software Products

Technology Development of California

# 3990 Freedom Circle

Santa Clara, CA 95054 (415)964-3653 Frank Green, President Total Sales FYE 12/81: \$25,800,000

Computer Services Offered: • Professional Services

# Technology Enterprises Inc. P.O. Box 218 Carmel Valley, CA 93924

(408) 659-2251

### Technology Industries

1900 Wyatt Dr., Ste 2 Santa Clara, CA 95054 (408)988-1697 John Peers, President

Computer Services Offered: • Software Products

### SUBSIDIARIES:

# FORTH, Inc.

2309 Pacific Coast Hwy Hermosa Beach, CA 90254 (213) 372-8493 Elizabeth D. Rather, President Total Sales FYE 6/81: \$1,300,000 Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

Technology Management Systems International

#### SUBSIDIARIES:

### Data Systems for Industry

3942 Čerritos Los Alamitos, CA 90720 (213)493-4541 Donald G. Whipple, President Private Total Sales FYE 8/81: \$2,000,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

### SUBSIDIARIES:

On-Line Design Inc. 700 E. Maple Rd Suite 300 Birmingham, MI 48011 (313) 540-0040 Jerry Wysocki, President

#### Systech Inc. 6150 Joliet Rd.

Countryside, IL 60525 (312) 352-0365 David Ickow, President

Computer Services Offered: 
Software Products 
Turnkey Systems

Tekkon Computer Services 6800 Jericho Turnpike Syosset, NY 11791 (516)496-8355

Charles J Wang, President Total Sales FYE 7/81; \$1,500,000 Computer Services Offered: • Processing • Software Products

#### Teknekron Financial Systems See: Teknekron Industries

#### Teknekron Industries

SUBSIDIARIES:

### ROI Consulting Inc.

2118 Milvia Berkeley, CA 94704 (415)548-8572 Gerald J Burnett, President Computer Services Offered: • Professional Services

#### DIVISIONS:

#### Teknekron Financial Systems

Drawer 7370 Incline Village, NV 89470 (702)831-4920 Gerald J Burnett, President Total Sales FYE 7/82: \$1,000,000 Est.

Computer Services Offered: • Software Products

# Teknowledge, Inc.

525 University Ave Palo Alto, CA 94301 (415)327-6600 Lee M Hecht, Chairman Private

Computer Services Offered: • Professional Services

### Tel-A-Data Inc.

1500 Northwest 167 Street Miami, FL 33169 (305) 625-8266 George Niver, President Private

Private
Total Sales FYE 6/80: \$200,000 Est.
Computer Services Offered: • Processing • Professional Services

Telaccount Inc.

See: Comtech Group International Ltd.

Teldata Systems Corporation

See: Prudential Group

Tele Informatica 300 Unicorn Park

Woburn, MA 01801 (617)933-8740

Tele-Equip

See: Hot Line, Inc.

Telecheck Services Inc.

Telecommunications Management Corp.

See: Decision Sciences Corporation

Telecomputer Systems Inc.

200 New Stine Rd., Suite 135 Bakersfield, CA 93309 (805) 834-5611 Robert J. Garner, President

Telecomputing Corporation of America

1616 Anderson Rd. McLean, VA 22102 (703) 821-6660 Jack Taub. Chairman

Private

Computer Services Offered: 

Processing

Telecredit, Inc.

1901 Avenue of the Stars Los Angeles, CA 90067 (213) 277-4061 Lee A. Ault, III, President Public Total Sales FYE 4/82; \$55,248,000 Computer Services Offered: • Processing

Teledata Time Sharing

See: REAP Inc.

Teledyne Exploration Company

5825 Chimney Rock Rd PO Box 36269 Houston, TX 77036 (713)666-2561 Computer Services Offered: • Processing

Telemanagement System, Inc. See: System Automation Corporation Telemar Group, Inc.

90 Park Avenue New York, NY 10016 (212) 949-4640 Stanley Federman, Chairman

Private

Computer Services Offered: 

Processing 

Software

Products • Professional Services • Turnkey Systems

Telephone Computing Service, Inc.

See: Automatic Data Processing Inc.

Telerate Systems Inc.
1 World Trade Center

New York, NY 10048 (212) 938-5200 Richard Cowles, Executive Officer

Private

Computer Services Offered: • Processing

Telesis Corp

21 Alpha Road Chelmsford, MA 01824 (617)256-2300

Patrick de Cavaignao, President

Computer Services Offered: 

Software Products Turnkey Systems

Telesoft

10639 Roselle St San Diego, CA 92121 (714)457-2700 Peter Dine, President

Private Total Sales FYE 7/82: \$2,900,000

Computer Services Offered: • Software Products • Turnkey Systems

Telic Services Corporation

6100 Executive Blvd. Rockville, MD 20852 (301)984-9110 Ronald Haan, President

Private
Total Sales FYE 12/80: \$2,500,000 Est.

Computer Services Offered: • Software Products

Telmar Group

90 Park Avenue New York, NY 10016 (212)949-4640 Private

Total Sales FYE 3/82: \$5,000,000

Telos Computing, Inc. 3420 Ocean Blvd.

Santa Monica, CA 90405 (213) 450-2424 Len Conger, President Private Total Sales FYE 3/81: \$18,000,000

Computer Services Offered: 

Software Products 
Professional Services Turnkey Systems

Telstat Systems, Inc.

See: Western Union Corporation

### Temple, Barker & Sloane, Inc (TBS)

33 Hayden Ave Lexington, MA 02173 (617)861-7580 Carl S SLoane, President

Computer Services Offered: • Processing • Professional Services

# Tenny, George W. Co., Inc. 3721 Scottsville Road

Scottsville, NY 14546 (716) 889-1391 Ron Tenny, President

Computer Services Offered: • Software Products

### TERA Corporation

2150 Shattuck Ave Berkeley, CA 94704 (415)845-5200 Michael Keaton, President Private

Total Sales FYE 6/82: \$31,678,000 Computer Services Offered: • Software Products • Turnkey Systems

### Terminal Applications Group

495 Central Park Ave. Scarsdale, NY 10583 (914)723-0800

Gerald D. Kaplan, President Computer Services Offered: • Processing • Turnkey

#### Terrano & Associates, Inc.

Systems

203 South 84th Lincoln, NE 68510 (402)483-4709 James A Terrano, President Private

Total Sales FYE 7/82: \$2,500,000 Est. Computer Services Offered: • Software Products • Turnkey Systems

#### Tesseract Corporation P. O. Box 7658, Rincon Annex

San Francisco, CA 94120 (415) 543-9320 Gary Durbin, President Private Total Sales FYE 7/82: \$3,300,000 Est. Computer Services Offered: • Processing • Software

### Texas Instruments Inc.

Products

13500 North Central Expressway Dallas, TX 75265 (214)995-2011 Mark Shepherd, Jr, Chairman of the Board

Total Sales FYE 12/81: \$4,206,000,000 Cptr. Svcs. Revs. FYE 12/81: \$157,000,000 Est. Computer Services Offered: . Processing . Software SUBSIDIARIES:

Geophysical Service Inc. P.O. Box 225621 M.S. 3970 Dallas, TX 75265 (214) 995-7700 Dolan McDaniel, President

### Texas McCan

#### SUBSIDIARIES:

# ChemShare Corp

3000 S. Post Oak Rd. PO Box 1885 Houston, TX 77001 (713) 627-8945 Lawrence Lesser, President Private Total Sales FYE 4/82: \$2,000,000 Est. Computer Services Offered: 
Processing Software Products Turnkey Systems

### Texas Refinery Corporation

#### SUBSIDIARIES:

Products

# Data Computer Center Inc. 204 Northeast 5th Street Box 789

Fort Worth, TX 76101 (817) 332-1971 Leo Curra, Vice President Private Computer Services Offered: . Processing . Software

### Thermeon Corporation

131 N. Tustin Ave Tustin, CA 92680 (714) 835-9191 Rollo S. Pickford, President Private

Computer Services Offered: • Processing • Software Products • Professional Services

### Theta Business Systems

1110 Sonora Ave, Ste 106 Glendale, CA 91201 (213)245-0917 Larry Jones, President Computer Services Offered: 

Software Products

Theta Computer Systems 6627 Valjean Ave. Van Nuys, CA 91406 (213) 994-4775 Jerry Shames, President Private Total Sales FYE 2/80: \$500,000 Est. Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

SUBSIDIARIES:

Theta Energy Management Systems 6627 Valjean Avenue Van Nuys, CA 91406 (213) 994-4775 Jerry Shames, President Computer Services Offered: • Processing

# Directory of Computer Services Companies

# Theta Energy Management Systems

See: Theta Computer Systems

### Thomas National Group, Inc., The

1700 Broadway New York, NY 10019 (212) 765-8500 Thomas Berrea, Chairman

Total Sales FYE 2/82: \$15,000,000

Computer Services Offered: . Processing . Software Products

### SUBSIDIARIES:

### Erisco Inc.

1700 Broadway New York, NY 10019 (212) 247-2444

Barbara Bondy, President Computer Services Offered: . Processing . Software Products . Professional Services

### Thomas National Transport of Australia

SUBSIDIARIES:

### Alltrans International Group Inc.

1 Harmon Plaza Secaucus, NJ 07094 (212) 736-7359 John Arwood, President

Computer Services Offered: • Processing • Professional Services

# Thomas, Laguban & Associates

16535 Bluemound Rd Brookfield, W1 53005 (414) 784-8080 Gene Thomas, Chairman Private

Total Sales FYE 1/82: \$3,500,000 Est. Computer Services Offered: . Software Products . Professional Services

# Three COM Corporation

See: 3COM Corporation

### Three PM Inc. (3 PM) 30881 Schoolcraft

Livonia, MI 48150 (313) 427-2000 Robert Yanover, President Private Total Sales FYE 3/82: \$16,800,000 Computer Services Offered: • Processing • Professional Services . Turnkey Systems

TICKETMASTER Corporation 6560 N. Scottsdale Rd. Suite 6100

Scottsdale, AZ 85253 (602) 998-3310 Charles Hanby, President

Computer Services Offered: • Turnkey Systems

### Ticketron, Inc.

See: Control Data Corporation

### **Tidelands Capital Corporation**

SUBSIDIARIES:

### Tidelands Data Systems

1900 Crestwood Blvd Birmingham, AL 35210 (205) 956-8551 Jim Smith, President Computer Services Offered: • Processing

Tidelands Data Systems See: Tidelands Capital Corporation

### TIM-Formation, Inc.

1913 Central Avenue Albany, NY 12205 (518) 456-6211 Kenneth E. Wilcox, President

Total Sales FYE 1/80: \$250,000 Est. Computer Services Offered: . Processing . Software Products • Professional Services

#### Timberline Systems 10550 S.W. Allen Blvd

Beaverton, OR 97005 (503) 643-9461 John Gorman, President

Total Sales FYE 12/81: \$12,018,741 Cptr. Svcs. Revs. FYE 12/81: \$9,000,000 Est. Computer Services Offered: . Software Products

#### Time Sharing Resources Inc. 777 Northern Blvd.

Great Neck, NY 11022 (516) 487-0101 Joseph F. Hughes, President Total Sales FYE 5/82: \$12,422,000

Computer Services Offered: • Processing • Professional Services

### SUBSIDIARIES:

#### MegaSystems Associates 77 Northern Blvd.

Great Neck, NY 10021 (212) 682-2650 Joseph Hughes, President Computer Services Offered: . Processing

### Time Systems Inc

2131 Northlake Parkway Suite 111 Tucker, GA 30084 (404)483-1881

William C Bell, President Computer Services Offered: . Software Products

### Time-Sharing Systems Inc.

See: Computer Services, Inc.

# Time/Audit Ltd.

P.O. Box 403 Willowdale, ON M2N5T (416) 482-8092

### Timeshare Associates

6150 Chevy Chase Houston, TX 77057 (713)782-7986 Henry Rachford, Partner

# Timeshared Business Systems

Name changed to: Trail Blazer Systems

### Timesharing Consultants Inc.

6420 E Broadway, Ste C300 Tucson, AZ 85710 (602)745-2060

Computer Services Offered: • Software Products

#### Timesharing Techniques Inc. 1819 S. 19th Ave

Phoenix, AZ 85009 (602)252-5634 Computer Services Offered: . Processing

### Timeware Inc.

530 Lytton Ave Palo Alto, CA 94301 (415)326-7780

### Tiny Systems Inc. 660 Glenville Dr., N.

Richardson, TX 75081 (214) 699-0262 Joe M. Hollarn, President Private Total Sales FYE 12/80; \$400,000 Computer Services Offered: . Software Products . Turnkey

### TOMINY, Inc.

4152 Crossgate Dr. Cincinnati, OH 45236 (513) 984-6605 Larry Thacker, President Private Total Sales FYF. 9/82: \$5,500,000 Est. Computer Services Offered: . Software Products .

Professional Services • Turnkey Systems

#### Tomorrow Systems, Inc PO Box 31

Paris, TN 38242 (901)644-9140 Computer Services Offered: . Software Products

### Tone Software Corporation

1735 Brookhurst, S Anaheim, CA 92804 (714) 991-9460 Jerry Slater, President Private Total Sales FYE 6/82: \$2,000,000 Est. Computer Services Offered: . Software Products

### Torstar Corp./Southam Inc.

SUBSIDIARIES:

### Infomart

122 St. Patrick St Toronto, ON M5T2X (416) 598-4000 David Carlisle, President

Tosc, International 5433 Westheimer Suite 1105 Houston, TX 77056 (713) 961-1201 Glen Stancil, President

Computer Services Offered: • Processing • Professional

# Total Environmental Systems Computer

414 North Larch St East Lansing, MI 48912 (517) 482-2500 Robert Anderson, President Total Sales FYE 6/80: \$300,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

# Total Systems, Inc. 28D Vernon St.

Wakefield, MA 01880 (617) 246-2200 Robert W. Kadis, President Computer Services Offered: . Software Products . Turnkey

### Total Technical Services

13405 York Road North Royalton, OH 44133 (216) 237-8363

### Touche Ross & Company

1633 Broadway New York, NY 10019 (212)489-1600 Private Cptr. Svcs. Revs. FYE 7/81: \$20,000,000 Est. Computer Services Offered: • Professional Services

### Touchette Corporation

5701 Enterprise Pkwy. East Syracuse, NY 13057 (315) 445-0291 John J. Touchette, President Private Total Sales FYE 6/81: \$3,250,000 Computer Services Offered: • Processing • Professional

# Directory of Computer Services Companies

Tower Systems, Inc. 19782 Mc Arthur Blvd, Ste 365 Irvine, CA 92715 (714) 752-8263 J. Gregory Siemon, President

Total Sales FYE 6/82: \$3,000,000 Computer Services Offered: • Software Products

SUBSIDIARIES:

T & B Computing Inc. 3853 Research Pk. Dr.

Ann Arbor, MI 48104 (313)769-1617 Ron Ghormley, President Computer Services Offered: 

Processing 

Software Products 

Professional Services 

Turnkey Systems

Trac Line Computer Corp

51 Alpha Plaza Hicksville, NY 11801 (516)935-7500 Art LeKacos, President Private

Total Sales FYE 7/82: \$1,500,000 Est. Computer Services Offered: • Software Products

Traffic & Distribution Service See: Traffic Data Systems, Inc. (TDS, Inc.)

Traffic Data Systems, Inc. (TDS, Inc.)

54 Middlesex Turnpike Burlington, MA 01803 (617) 273-3530 Arthur Finger, President

Trail Blazer Systems Inc.

2448 Watson Court Suite 301 Palo Alto, CA 94303 (415)858-2800 Joanne Malone, President

Total Sales FYE 2/82: \$1,600,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Transaction Control Industries See: American Express Company

Transaction Data Systems

5150 Major Blvd. Suite 210 Orlando, FL 32805 (305) 351-1210 Warren Wubker, President

Computer Services Offered: • Software Products • Turnkey Systems

Transcomm Data Systems, Inc.

Translog Services, Inc. 600 N. Jackson St. Media, PA 19063

(215) 565-6424

Computer Services Offered: • Software Products

Transportation Concepts and Services

20 Highland Ave Metuchen, NJ 08840 (201)548-1200 Lester A Probst. President Computer Services Offered: • Software Products

Transportation Management Services 2155 South 3270 West

Salt Lake City, UT 84119 (801)973-5800 Computer Services Offered: • Processing

Transportation Management Systems, Inc. 230 Schilling Plaza South Hunt Valley, MD 21031 (301)628-2200

TransUnion Corporation

See: GL Corporation

TransUnion Credit Information

See: GL Corporation

TRES Computer Systems, Inc. 4255 LBJ Freeway, Suite 220 Dallas, TX 75234

(214) 233-4341 Orren Y. Evans, President

Private Total Sales FYE 3/82: \$12,563,840 Computer Services Offered: • Processing • Software Products • Professional Services

Tri-Star Data Systems

2 Keystone Ave. Cherry Hill Ind. Park Cherry Hill, NJ 08003 (609) 424-4700 Pete Morley, Partner Private Total Sales FYE 12/81: \$2,000,000 Computer Services Offered: • Processing

Triad Systems Corporation 1252 Orleans Dr. P.O. Box 61779

Sunnyvale, CA 94086 (408) 734-9720 William W. Stevens, President Total Sales FYE 9/82: \$82,314,000 Computer Services Offered: • Turnkey Systems

Triangle Software Company

4043 Stevens Creek Blvd, Ste 108 San Jose, CA 95129 (408)554-8121 John E Zipp, President

Private Total Sales FYE 4/82; \$1,100,000 Computer Services Offered: . Software Products

Trident Data Systems

### SUBSIDIARIES:

Programatics, Inc. Inglewood, CA 90304 (213)644-9721

Computer Services Offered: • Professional Services

Trinco, Inc. See: Trinity University

# Trinity University

### SUBSIDIARIES:

Trinco, Inc.

715 Stadium Dr.
San Antonio, TX 78284
(512) 736-7401
Ron Calgard, President
Total Sales FYE 5/80: \$2,500,000
Computer Services Offered: • Processing • Software
Products

### Trionic International, Inc

#### SUBSIDIARIES:

Professional Data Management

Bangor, ME 04401 (207) 862-4055 Barbara Moreshead, President Computer Services Offered: • Processing • Professional Services

# Triplex Computer Services, Inc.

3135 Kerner Blvd.
San Rafiel, CA 94101
(415) 457-6400
Sheila Martin, President
Private
Total Sales FYE 2/80: \$450,000 Est.
Computer Services Offered: • Processing

# TriStar Business Systems, Inc

50 W. Brokaw Rd, Sie 502 San Jose, CA 95110 (408)995-615 Allen Sainsbury, President Computer Services Offered: • Turnkey Systems

TronCorp 3809 W 95th St. Overland Park, KS 66206 (913) 381-1155 Kathleen Murphy, President

Private

Computer Services Offered: • Software Products

# Tru-Check Computer Systems 6 Nursery Lane

Ryc, NY 10580 (914) 472-9030 Roger Kaufman, President Total Sales FYE 12/81: \$2,800,000 Est. Computer Services Offered: • Processing Trusco Data Systems
See: Trust Company of Georgia

# Trust Company of Georgia

P.O. Drawer 4418 Atlanta, GA 30302 (404) 588-8497

### DIVISIONS:

Trusco Data Systems

Atlanta, GA 30302 (404) 588-8497 Robert Horten, General Manager Total Sales FYE 12/80: \$4,500,000 Est. Computer Services Offered: • Processing • Software Products

# Trust Management Systems, Inc. See: Comshare, Inc.

Tudor Systems

One Woodlawn Green, Ste 100 Charlotte, NC 28210 (704)438-5058 William Tudor, President Private

Total Sales FYE 3/82: \$4,500,000 Est.

Computer Services Offered: • Software Products • Turnkey Systems

# Tung, C. Y.

### SUBSIDIARIES:

ODS Systems, Inc. 30 Montgomery St Jersey City, NJ 07303 (212) 344-0236 Roger King, President

Roger King, President

Computer Services Offered: 
Software Products 
Turnkey

Systems

#### Turnkey Distribution Systems, Inc 82 Cummings Park

82 Cummings Park Woburn, MA 01810 (617)935-2400 Computer Services Offered: • Turnkey Systems

# Turnkey Information Processing Inc

New York, NY 10110 (212)944-1060 Computer Services Offered: • Turnkey Systems

### Turnkey Interactive Management Systems

Meadows Office Complex Rutherford, NJ 07070 (201)933-9222 Stanley Sweitzer, President Total Sales FYE 7/81: \$1,000,000 Computer Services Offered: • Processing • Turnkey Systems

# Directory of Computer Services Companies

### Turnkey Sales & Leasing, Inc.

500 Fifth Ave. New York, NY 10036 (212) 354-8551 Vincent Deschamps, President Private

Turnkey Systems Inc
Name changed to: TSI International Ltd.

-

Twin City Key Punch Service 2901 Metro Dr. Minneapolis, MN 55810 (612) 854-5080

Tylus Systems Inc. 4940 East La Palma Anaheim, CA 92807

(714)970-9321

Computer Services Offered: 

Professional Services

TYME Corp.
740 N. Plankington Ave.
Milwaukee, W1 53203
(414) 271-7905
Thomas A. Drew, President

Tymshare Banking Systems

See: Tymshare, Inc.

Tymshare, Inc. 20705 Valley Green Drive Cupertino, CA 95014 (408) 446-6000 Thomas J. O'Rourke, Chairman and President Public

Public
Total Sales FYE 12/81: \$289,687,000
Cptr. Svcs. Revs. FYE 12/81: \$225,000,000 Est.
Computer Services Offered: \* Processing \* Software
Products \* Professional Services \* Turnkey Systems

SUBSIDIARIES:

Telecheck Services Inc.
7510 W Mississippi Ave, Ste 100
Lakewood, CO 80226
(303)934-5881
Jeffrey B. Baer, President
Computer Services Offered: • Processing

DIVISIONS

Tymshare Banking Systems
11 West Oxmoor Road

Birmingham, AL 35209 (205) 942-6700 U.S. Administrators

3540 Wilshire Blvd. Los Angeles, CA 90010 (213) 383-1100 Sam Kaplan, President

U.S. National Bank Shares

U.S. Software

5470 N.W. Innisbrook Pl.
Portland, OR 97229
(503)645-5043
Private
Total Sales FYE 11/81: \$200,000
Computer Services Offered: • Software Products • Professional Services

U.S. Systems Corporation

1901 North Fort Myer Dr, Ste 702 Arlington, VA 22209 (703)841-1600

U.S. Trust Co. of New York Computer Services Division

130 John Street
New York, NY 10038
(212) 425-4500
Joel Abramowitz, Vice President
Private
Computer Services Offered: Products Professional Services
Products Professional Services

**URS** Corporation

SUBSIDIARIES:

Advanced Systems, Inc.
2340 S. Arlington Heights Rd.
Advanced Heights, IL 60005
(112)
John M. DeAno, President
Total Sales FVE 10/81: \$23,882,000
Cptr. Sves. Revs. FVE 10/81: \$23,883,000
Computer Services Offered: Professional Services

USS Engineers and Consultants, Inc. See: United States Steel Corporation

SUBSIDIARIES:

Bankers Data Services

600 Jeffersen Bldg. Suite 715 Houston, TX 77002 (713) 659-8566 Malcolm Look, President

Ulrich, Walter E. Consulting 2626 South Loop West, Ste 450

Houston, TX 77054 (713)666-5433 Walter Ulrich, President Private Total Sales FYE 12/81: \$300,000 Est.

Computer Services Offered: • Professional Services

Ultimacc Business Systems
See: Storage Technology Systems

Ultradata Corporation

Ultradata International

#### SUBSIDIARIES:

### Ultradata Corporation

1558 B St Hayward, CA 94541 (415)881-8477 Malcolm McKellar, President

Total Sales FYE 12/81: \$500,000 Est. Computer Services Offered: . Software Products . Turnkey

### Unbounded Computing

1134 Aster Ave., Suite K Sunnyvale, CA 94086 (408) 247-6557 Alan Clute, President

Computer Services Offered: • Software Products • Professional Services . Turnkey Systems

#### UNI-COLL Corporation See: CISI Group

# Unicorn Systems Company 3807 Wilshire Blvd. #1102

Los Angeles, CA 90010 (213) 380-6974 Gerald Larsen, President

Computer Services Offered: • Software Products • Professional Services

### Unilogic Ltd

160 North Craig Pittsburgh, PA 15213 (412)621-2277

Computer Services Offered: . Software Products

### Union Data Corporation

55 Morris Avenue Springfield, NJ 07081 (201) 964-3113 William L. Yost, President Private

Computer Services Offered: . Processing

#### SUBSIDIARIES:

### Action Business Computing

55 Morris Ave. Springfield, NJ 07081 Computer Services Offered: • Software Products • Turnkey

Unique Automation Products 17922 Sky Park Cl. Suite L Irvine, CA 92714 (714) 549-4832 William T. Derouchey, President

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Unique Information Systems, Inc.

30 N. La Salle, Ste 2900 Chicago, IL 60602 (312)346-7933 Barry Jerushalmy, Vice President
Computer Services Offered: 
Software Products

### Unitab Company of Abilene

PO Box 2499 Abilene, TX 79604 (915) 673-3779 B. Jack Williams, President Private

### Unitech Systems, Inc.

823 Commerce Dr. Ste 230 Oak Brook, IL 60521 (312)986-0133

Computer Services Offered: • Software Products

# United American Service Corp.

Name changed to: Financial Interstate Services

### United Computer Service, Inc.

Williamson County Airport Rd. Marion, IL 62959 (618)997-1395 Kenneth S. Greenwalt, President

Private Total Sales FYE 12/81: \$3,600,000 Computer Services Offered: . Processing

# United Computing Systems, Inc.

Merged into: United Information Services Inc.

### United Information Services Inc. See: United Telecommunications Inc.

### United Software Associates

P.O. Box 4897 Winter Park, FL 32793 (305) 671-6666 Don O. Burkhardt, President

### United Software Corporation

1500 East 79th Street Minneapolis, MN 55420 (612) 854-0050 John MacGowan, President Computer Services Offered: • Professional Services

### United Software Systems and Services

1801 Avenue of the Stars Suite 1136 Los Angeles, CA 90067 (213)556-0664

### United States Computers Inc.

8815 S Tacoma Way Tacoma, WA 98499 (206) 584-7211 Robert Gerth, President

Private Computer Services Offered: • Processing • Software Products · Professional Services · Turnkey Systems

### United States Steel Corporation

# Directory of Computer Services Companies

#### SUBSIDIARIES

# USS Engineers and Consultants, Inc. 600 Grant St., Room 3313 Pittsburgh, PA 15230 (412) 391-8115 of Computer Compilion

L.F. Bish, Dir. of Corporate Consulting

Computer Services Offered: 

Processing 

Software

Products 

Professional Services 

Turnkey Systems

#### United Telecom Computer Group See: United Telecommunications Inc.

### United Telecommunications Inc.

PO Box 11315 Kansas City, MO 64112

### SUBSIDIARIES:

# United Telecom Computer Group

Overland Park, KS 66211

Overland Park, K.S. D0211 (913)341-9161 Donald S Bates, President Total Sales FYE 12/81: \$137,356,000 Cptr. Sves. Revs. FYE 12/81: \$119,009,000 Computer Services Offered: • Processing • Software

#### SUBSIDIARIES:

# Insurance Systems of America 6855 Jimmy Carter Blvd. P.O. Box 47975 Atlanta, GA 30362

(404)441-8800 David P. Harbin, President

# International Data Base Systems, Inc.

2300 Walnut St. Suite 701 Philadelphia, PA 19103 (215) 568-2424 Rob Gerritsen, President

# Megatek Corporation 3985 Sorrento Valley Blvd San Diego, CA 92121 (714) 455-5590

Computer Services Offered: • Turnkey Systems

# United Information Services Inc 5445 West 110th St

Overland Park, KS 66211 Computer Services Offered: • Processing • Software

### DIVISIONS:

# **Business Information Products Division**

6626 Convoy Court San Diego, CA 92111 (714)560-7070 Paul Morrrow, VP & General Manager Computer Services Offered: • Software Products

### Univair Inc.

9024 St Charles Rock Rd St. Louis, MO 63114 (314) 426-1099 Scott Nielsen, President Private

Total Sales FYE 10/82: \$1,500,000 Computer Services Offered: • Processing

### Universal Beverage Systems

P.O. Box 1015 Parsons, KS 67357 (316) 421-1381

#### Universal Data Inc. See: Center Fuel

### Universal Data Systems Inc.

3901 McArthur Blvd. Newport Beach, CA 92660 (714) 752-7634 James L. Milanese, President

Computer Services Offered: • Professional Services • Turnkey Systems

### Universal Design Systems, Inc.

7308 Madison, V Forest Park, IL 60130 (312)782-7800 Total Sales FYE 12/80: \$1,200,000

Computer Services Offered: • Professional Services

### Universal Information Services Inc. 3229 Omni Dr

Cincinnati, OH 45245 (513)752-1660

# Universal Information Systems Inc.

S-10 State Highway No. 17 Paramus, NJ 07652 (201) 845-7444 Theodore S. Kissell, President Private

Total Sales FYE 6/81: \$3,000,000 Cptr. Svcs. Revs. FYE 6/81; \$1,000,000 Computer Services Offered: . Processing

# Universal Services

80 Vernon Street Suite 4 Oakland, CA 94010 (415) 232-4238

### Universal Software Associates, Inc. 100 Summer St, Ste 2810

Boston, MA 02110 (617)542-7755 Computer Services Offered: • Professional Services

#### Universal Software Inc. Brookfield Office Park Route 7

Brookfield, CT 06804 (203) 792-5100 David W. Kearns, President Private

Computer Services Offered: • Software Products

### Universal Software Studios

179 W Smith St Gallatin, TN 37066 (615)452-1027

Computer Services Offered: • Software Products

### Universal Systems of America

8401 Indian Creek Parkway Suite 180 Overland Park, KS 66210 (913)642-3372

Computer Services Offered: • Processing • Software Products

### University Computing Company See: Wyly Corporation

# University Software

See: Compumax, Inc.

### University Software Systems

See: Agababian Associates

# Up-Time Systems, Inc

1140 NW 63rd St, Ste 200 Oklahoma City, OK 73116 (405)843-8631 Computer Services Offered: • Software Products

### Urban Data Processing

See: Harte Hanks Communications, Inc.

### Urban Decision Systems Inc.

P.O. Box 25953 Los Angeles, CA 90025 (213)826-6596 Vladimir Almendinger, President

Total Sales FYE 4/81: \$2,000,000 Computer Services Offered: . Processing

### Urschel Laboratories

SUBSIDIARIES:

### Indiana Information Controls Inc.

2401 N. Calumet Valpariso, 1N 46383 (219) 464-4864 Robert Espie, Executive Vice President Private

### Users, Inc.

1250 Drummers Ln. P.O. Box 297 Valley Forge, PA 19482 (215) 687-9400 John Reardon, President Private Total Sales FYE 9/81: \$12,926,683 Computer Services Offered: . Processing . Turnkey Systems

### Utica Computer Services, Inc. (UCS)

101 First Street Utica, NY 13501 (315) 724-6121

Computer Services Offered: • Processing • Software Products . Turnkey Systems

### Utility Computing Services, Inc.

210 Cypress West Monroe, LA 71291 (318) 388-0920 Harry Porter, President

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

### VIP Systems Corporation

Barton C. Hurd, President

314 Swann Ave Alexandria, VA 22301 (703)548-2164

### VM Software, Inc.

7777 Leesburg Pike Falls Church, VA 22043 (703)821-6886 R. E. Cook, President Private Total Sales FYE 12/82: \$1,800,000 Computer Services Offered: . Software Products

#### VR Data Corp. 777 Henderson Blvd., N-6 Folcroft, PA 19032

(215) 461-5300 Computer Services Offered: • Software Products • Turnkey Systems

### **VSE** Corporation

2550 Huntington Avenue Alexandria, VA 22303 (703) 960-4600 John Toomy, President Public Total Sales FYE 12/81: \$50,000,000 Cptr. Svcs. Revs. FYE 12/81: \$6,000,000 Computer Services Offered: • Processing

### Valencia Computer Service

2300 Cairo Dr, E Tempe, AZ 85282 (602)894-2956 Anne Holland, President Computer Services Offered: • Software Products

Valid Logic Systems Inc. 650 North Mary Sunnyvale, CA 94086 (408)773-1300 Jared Anderson, Founder Computer Services Offered: • Turnkey Systems

### Valley Bank of Nevada Business Services Division

300 S. Fourth St Las Vegas, NV 89114 (702) 386-1000 Kenneth Sullivan, President

# Directory of Computer Services Companies

### Valley National Corporation

241 N Central Ave Phoenix, AZ 85004 (602)261-2900

### SUBSIDIARIES:

# Sun Country Financial Corporation

2922 North 34th Dr Phoenix, AZ 85017 (602)241-4306 Ray Valour, President Computer Services Offered: • Processing

### Valuation Research Corporation

#### SUBSIDIARIES:

### American Valuation Consultants Inc.

2200 East Devon Ave. Suite 247 Des Plaines, IL 60018 (312) 297-6100 Dennis Valerio, President Private

Total Sales FYE 9/80: \$7,063,000 Cptr. Svcs. Revs. FYE 9/80: \$1,689,000 Computer Services Offered: • Software Products

### Value Computing, Inc.

498 N. King's Hwy Cherry Hill, NJ 08034 (609) 482-2500 Vincent Joseph Bannan, President

Total Sales FYE 9/80: \$6,300,000 Computer Services Offered: • Software Products

### SUBSIDIARIES:

### Service Software Inc.

498 N. Kings Highway Suite 224 Cherry Hill, NJ 08034 (609) 482-2550 M. Kaplan, President Total Sales FYE 9/81: \$800,000 Computer Services Offered: • Software Products • Turnkey Systems

### Value Engineering Company Name changed to: VSE Corporation

Value Line Data Services See: Bernhard, Arnold & Co., Inc.

Vanguard Computer Systems, Inc. 18860 Lemay St Reseda, CA 91335 (213) 368-9110 Philip W. Peterson, President Computer Services Offered: • Professional Services • Turnkey Systems

### Vantage Computer Systems, Inc.

125 Silas Deane Hwy Wethersfield, CT 06109 (203)721-0694 Robert Maltempo, President

Computer Services Offered: • Processing • Software Products . Professional Services . Turnkey Systems

Vector Graphic Inc. 31364 Via Colinas Westlake Village, CA 91361 (213) 991-2302 Lore Harp, President

Computer Services Offered: • Software Products

### Vector Systems Inc 15700 Woodland Dr

Dearborn, MI 48120 (313)341-8537

Computer Services Offered: . Software Products

#### VenturCom Inc.

139 Main St Cambridge, MA 02142 (617) 661-1230 Myron L. Zimmerman, President Computer Services Offered: . Software Products

### Verbatim Corp

323 Soquel Way Sunnyvale, CA 94086 (408)245-4400

### SUBSIDIARIES:

### Dakin5 Corporation

7475 Dakin St. Suite 507 Denver, CO 80221 (303) 426-6090 Jack Flobeck, President Total Sales FYE 10/81: \$1,250,000 Est. Computer Services Offered: • Software Products

### Versatec, Inc.

2805 Bowers Avenue Santa Clara, CA 95051 (408) 988-2800

### Vertex Systems Inc. 222 Lancaster Ave.

Devon, PA 19333 (215) 687-9060 Raymond Westphal, President Total Sales FYE 9/80: \$300,000 Est. Computer Services Offered: • Software Products

# VESOFT Consultants

506 North Plymouth Los Angeles, CA 90004 (213)464-7523 Vladimir Volokh, President Computer Services Offered: • Software Products • Professional Services

### Vetrol Data Systems Inc.

2500 13th Avenue Vero Beach, FL 32960 (305) 562-1621

Kenneth L. Srigley, President

Total Sales FYE 6/80: \$250,000 Est. Computer Services Offered: • Processing • Turnkey Systems

Via Computer Inc. 7177 Construction Ct. San Diego, CA 92121

(714)578-5356

Vicker's Associates Inc. 226 New York Avenue Huntington, NY 11743

(516) 423-7710 Michael Stollar, President

Computer Services Offered: • Processing

Victorex Inc.

1529 Cypress St. Suite 103 Walnut Creek, CA 94596 (415) 943-1023 John V. Kjellman, President

Private Total Sales FYE 12/80: \$250,000 Est. Computer Services Offered: . Processing . Software Products • Turnkey Systems

Vidmar, Stanley See: Stanley Works

# Viehmann Corporation

SUBSIDIARIES:

Viehmann, Rowe Associates

274 Main St. Reading, MA 01867 (617) 944-5787 Norman Viehmann, President

Computer Services Offered: 
Professional Services

Viehmann, Rowe Associates

See: Viehmann Corporation

Vining-Sparks Securities, Inc 889 Ridgelake Dr

Memphis, TN 38119 (901)766-4447 James L Vining, President

Private Total Sales FYE 12/81; \$7,000,000 Computer Services Offered: . Software Products

Virginia Computer Services Inc.

5705 Turner Rd Broad Run, VA 22014 (703)631-2010

Computer Services Offered: • Processing

Virginia Data Center Acquired and merged with Electronic Data Systems Cunadata Division

Virtual Systems, Inc.

1500 Newell Ave., Ste 406 Walnut Creek, CA 94596 (415) 935-4944

Ralph Swearingen, President

Computer Services Offered: . Software Products . Professional Services

VisiCorp

2895 Zanker Rd San Jose, CA 95134 (408)946-9000 Terry Opdendyk, President Private Total Sales FYE 12/81: \$20,000,000 Est. Computer Services Offered: • Software Products

Vista Computer, Inc.

709 Westchester Ave. White Plains, NY 10604 (914) 428-3131 Donald Gross, President Private

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Vital Computer Services International, Inc.

575 Madison Avenue, 3rd Floor New York, NY 10022 (212) 838-0701

Charles Campisi, President Private

Total Sales FYE 3/81: \$3,500,000 Est. Cptr. Svcs. Revs. FYE 3/81: \$3,150,000 Est. Computer Services Offered: • Processing • Software Products • Professional Services

Vitro Computer Services See: Automation Industries, Inc.

Volt Delta Resources Inc. See: Volt Information Sciences Inc.

Volt Information Sciences Inc.

1221 Avenue of the Americas New York, NY 10020 (212)764-0700 William Shaw, President Public

SUBSIDIARIES:

Volt Delta Resources Inc. 1133 Avenue of the Americas

New York, NY 10036 (212) 764-0700 John Hunter, President

Total Sales FYE 10/81: \$24,382,000 Computer Services Offered: • Processing

Wachovia Corporation, The

301 North Main St Winston-Salem, NC 27101 (919)748-5000

# Directory of Computer Services Companies

#### DIVISIONS:

### Wachovia Services Inc.

PO Box 3001 Winston-Salem, NC 27102 (919) 748-5703 Les D. Sari, President
Total Sales FYE 12/81: \$12,105,000
Computer Services Offered: • Processing

# Wachovia Services Inc.

See: Wachovia Corporation, The

### Wakefield Software Systems Inc. (WSSI)

28 D Vernon St. Wakefield, MA 01880 (617) 246-2200 Bob Kadis, President

Private Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

#### Walden Management Services See: KMS Industries

Walker Interactive Products 100 Mission St. - 3rd Floor San Francisco, CA 94105 (415)495-8891 Jeffrey L. Walker, Chairman Private

Total Sales FYE 6/82: \$3,000,000 Computer Services Offered: • Software Products

### Wallace Business Forms, Inc.

DIVISIONS:

# Business Data, Inc.

Chicago, IL 60606 (312) 782-8115 Ernest Freudman, General Manager Computer Services Offered: • Software Products

### Walsh, Richard M., Associates Inc.

916 Oak St. Scranton, PA 18508 (717) 346-3856 Richard M. Walsh, President

Computer Services Offered: 
Processing Software
Products Professional Services Turnkey Systems

# Wang Computer Services One Industrial Ave.

Lowell, MA 01851 (617) 459-5000 Ned Chang, General Manager

Warner Associates 3300 University Dr. Suite 403 Coral Springs, FL 33065 (305) 752-7100

### Warner Computer Systems Inc.

New York, NY 10016 (212) 697-0110 Harvey Krieger, President

### Warner-Eddison Associates, Inc.

186 Alewife Brook Parkway Cambridge, MA 02138 (617) 661-8124 Elizabeth Eddison, President

Computer Services Offered: • Processing • Software Products

### Warrington Associates Inc.

601 Second Ave. S. Hopkins, MN 55343 (612) 935-3300 Edward Warrington, President

Total Sales FYE 10/80: \$6,000,000 Est. Computer Services Offered: . Processing . Software Products . Professional Services

# Washington Computer Services 3028 Silvern Lane

Bellingham, WA 98226 (206)734-8248

Computer Services Offered: • Software Products

### Waters Business Systems, Inc.

47 New York Ave. Framingham, MA 01701 (617) 879-2504 James Waters, President

Private Total Sales FYE 12/81: \$1,500,000 Est. Computer Services Offered: • Software Products • Professional Services

# Watson, Steach & Company P.O. Box 701

Arlington, TX 76010

Computer Services Offered: • Processing

### Watts Computer Services Inc 143 East Meadow Dr., Ste 496

Vail, C0 81657 (303)476-4116 James Watts, President Private

Total Sales FYE 7/82: \$1,300,000 Est. Computer Services Offered: • Processing

### Wausau Insurance Co

SUBSIDIARIES:

#### Management Systems of Wausau Inc. 2000 Westwood Di

2000 Westwood Dr Wausau, WI 54401 (715)842-6941 T A Mack, President Total Sales FYE 12/81: \$24,000,000 Computer Services Offered: • Processing • Software Products • Turnkey Systems

# Wayne Computer Center Inc. See: Kemp Furniture Industries, Inc.

Weeks, Leo M. 23716 20 Mile Road Olivet, MI 49076 (616) 749-9436

### Weidenhammer Systems Corp.

220 N Park Rd, Bldg 5 Wyomissing, PA 19610 (215) 378-1149

John P. Weidenhammer, President

Total Sales FYE 12/81: \$350,000 Computer Services Offered: • Software Products • Professional Services

### Weidner Communications

1673 West 820 North Provo, UT 84601 (801)375-9910 Nevil Garrett, President

Total Sales FYE 7/82; \$5,000,000 Est. Computer Services Offered: • Software Products • Professional Services

# Weiland Computer Group, Inc.

See: Electronic Data Systems Company

#### Wells Fargo & Company 475 Sansome St

San Francisco, CA 94163 (415)396-4835 Carl E Reichardt, President

Public Total Sales FYE 12/81; \$23,219,189,000 Cptr. Svcs. Revs. FYE 12/81: \$9,500,000 Est. Computer Services Offered: . Processing

### Wengel Service Corporation

1101 State Road Princeton, NJ 08540 (609) 924-4900 Douglas Wengel, President

#### West Florida Data Processing See: West Florida Natural Gas

#### West Florida Natural Gas

#### SUBSIDIARIES:

West Florida Data Processing 28 West Beach Drive PO Box 2463 Panama City, FL 32401

(904) 769-2131 Max Lewis, President Total Sales FYE 6/81: \$750,000 Computer Services Offered: . Processing . Software Products

### West Publishing Company

#### DIVISIONS:

### WESTLAW Division

50 West Kellog Blvd St. Paul, MN 55165 (612) 228-2500 Dwight Opperman, President

Computer Services Offered: . Processing

### Western Business Computers Inc

2025 Gateway Place, Ste 220 San Jose, CA 95110 (408)947-1900

Computer Services Offered: • Software Products

#### Western Data Corporation 444 NE Ravena Blvd, Ste 401

Seattle, WA 98115 (206)524-9085 Robert Miller, President

Private Total Sales FYE 6/82: \$2,000,000 Computer Services Offered: • Processing • Software Products • Professional Services

### Western Geophysical Company of America See: Litton Industries, Inc.

### Western Information Systems

11 West Del Mar Blvd Pasadena, CA 91105 (213)796-1040 William R Haupth, President Private Total Sales FYE 1/81; \$2,250,000 Computer Services Offered: . Processing . Turnkey

### Western Micro Systems See: Western Microtechnology, Inc.

# Western Microtechnology, Inc

### DIVISIONS:

Systems

#### Western Micro Systems 10040 Bubb Rd

Cupertino, CA 95014 (408)725-1660

Computer Services Offered: • Software Products • Turnkey Systems

### Western Publishing Company, Inc.

P.O. Box 700 Racine, WI 53401 (414) 633-2431

#### Western Union Corporation One Lake Street

Upper Saddle River, NJ 07458 (201) 825-5000 Russell W. McFall, Chairman and President Public Total Sales FYE 12/81; \$906,700,000 Cptr. Svcs. Revs. FYE 12/81: \$12,000,000 Est. Computer Services Offered: . Processing

SUBSIDIARIES:

### Western Union Teleprocessing Group 82 McKee Drive

Mahwah, NJ 07430 (201) 529-6000

# Directory of Computer Services Companies

#### SUBSIDIARIES:

### Distronics Corporation

1060 Kings Highway North Cherry Hill, NJ 08002 (608) 667-6233 Marshall Campbell, President

### Telstat Systems, Inc.

60 Hudson St. New York, NY 10013 (212) 227-5082 Bruce Hechler, President

Private

Computer Services Offered: 

Processing 

Software

Products • Professional Services • Turnkey Systems

Western Union Teleprocessing Group

# See: Western Union Corporation Westinghouse Advanced Systems Technology

See: Westinghouse Electric Corporation

# Westinghouse Electric Corporation

Westinghouse Bldg Gateway Center Pittsburgh, PA 15222 (412)255-3800 R E Kirby, Chairman & CEO Public

Total Sales FYE 12/81: \$9,367,500,000 Cptr. Svcs. Revs. FYE 12/81: \$63,450,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

### Westinghouse Advanced Systems Technology

717 Penn Center Blvd
Pittsburgh, PA 15235
(412)824-9100
C J Baldwin, Manager
Computer Services Offered: • Processing • Software

Products • Professional Services

#### Westinghouse Electronic Systems Division 200 Beta Dr

Pittsburgh, PA 15238 (412)782-1730 Computer Services Offered: • Processing • Software Products • Turnkey Systems

### Westinghouse Learning Corp.

Cost Bldg. Ardmore Blvd.
Pittsburgh, PA 15221
(412) 256-5123
Jay Clark, Director of Marketing
Computer Services Offered: • Processing • Software
Products • Turnkey Systems

#### DIVISIONS:

### Westinghouse Information Services

Highway 1 and Interstate 80 PO Box 30 lowa City, 1A 52244 (319)354-9200 Donald J Gibsen, General Manager Computer Services Offered: • Processing • Software Products • Turnkey Systems

### DIVISIONS:

# Westinghouse Strategic Operations

Division
PO Box 598
Pittsburgh, PA 15230
(412)327-4700
Computer Services Offered: • Turnkey Systems

# Westinghouse Electronic Systems Division See: Westinghouse Electric Corporation

# Westinghouse Information Services See: Westinghouse Electric Corporation

Westinghouse Learning Corp.

See: Westinghouse Electric Corporation

# Westinghouse Strategic Operations

Division

See: Westinghouse Electric Corporation

# WESTLAW Division See: West Publishing Company

Westlev Modern Methods

214 South Michigan Avenue Big Rapids, MI 49307 (616) 796-5767 Robert Westley, President

Computer Services Offered: • Processing

#### Westware Inc 2455 S W 4th Ave Ontario, OR 97914

(503)881-1477
Computer Services Offered: 

Software Products

# Whalen Computer Services, Inc.

Bennett Complex, Box 347
Millbrook, NY 1245
(914) 677-5025
Robert Whalen, President
Private
Total Sales FYE 7/81: \$1,500,000 Est.
Computer Services Offered: • Processing • Turnkey
Systems

# Wharton Econometric

Acquired by: Ziff Corporation

#### Whelan Associates, Inc Gwynedd Plaza, AE Center PO Box 650 Spring House, PA 19477

(215)643-7470

Computer Services Offered: 
Software Products

# White, Bob, Computing and Software Inc.

830 Diane Lane Naperville, IL 60540 (312) 961-3350 Robert D. White, President

Total Sales FYE 2/80: \$1,500,000 Est.

Computer Services Offered: • Processing • Software Products

#### SUBSIDIARIES:

#### Online Databanc Inc.

7108 West Oakton Niles, IL 60648 (312) 965-0040 Robert White, President Computer Services Offered: • Processing

### White, Glenn L. Company

10560 Main St., Ste 406 Fairfax, VA 22030 (703) 325-1210 Glenn L. White, President

Private

Computer Services Offered: • Processing • Professional
Services

#### White, Robert F. and Company 209 West Jackson St.

Chicago, IL 60606 (312) 322-9600 Robert F. White, President Private

Computer Services Offered: • Processing

### Whiteside Associates, Inc. 3011 Rainbow Dr. Suite 101

Decatur, GA 30034 (404) 243-1133 Bryce Whiteside, President Private

Total Sales FYE 3/82: \$500,000 Computer Services Offered: • Software Products

### Whitesmiths, Ltd. 485 South U.S. Route 1 Ansonia Station

Woodbridge, NJ 08830 (201)750-9000 P.S. Plauger, President Private Total Sales FYE 12/81: \$1,600,000 Computer Services Offered: • Software Products

Whitlow Computer Systems

### Whittaker Corporation

### SUBSIDIARIES:

# Spectra Medical Systems, Inc.

475 Potrero Ave. Sunnyvale, CA 94086 (408) 245-9370 Lee Kort, President Computer Services Offered: • Turnkey Systems

### Whittaker Medicus

990 Grove St.
Evanston, III. 66201
(312) 866-1500
John Kerr, President
Total Sales FYE 10/81: \$35,750,000 Est.
Cptr. Svcs. Revs. FYE 10/81: \$28,600,000 Est.
Computer Services Offered: • Professional Services •
Turnkey Systems

# Whittaker Medicus

See: Whittaker Corporation

### WHY Systems Inc

17130 Avondale Wy, NE Redmond, WA 98052 (206) 881-2331

Computer Services Offered: 

Software Products

Professional Services

### Wigglesworth, C.J. Software

P.O. Box 755 Cardiff-by-the-Sea, CA 92007

#### Wilcox, R.E. Systems Inc 134 East 200 North

Alpine, VT 84003 (801)532-2390

Computer Services Offered: • Processing

### Wild Hare Computer Systems Inc

PO Box 3581 Boulder, CO 80307 (303)494-0221 Private

Total Sales FYE 12/81: \$450,000 Computer Services Offered: • Software Products

### Williams & Associates

1549 Los Osos San Luis Obispo, CA 93401 (805) 541-3610 Robert Williams, President Private

Total Sales FYE 1/81: \$350,000

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

### Williams Automated Management Services, Inc

25283 Cabot Rd, Ste 214 Laguna Hills, CA 92653 (714)770-1935

Computer Services Offered: • Software Products

### Wilson Jones

#### SUBSIDIARIES:

### Plus Computer Technology

7360 N Lincoln Ave Lincolnwood, IL 60646 (312)647-0988 Garry Simon, President Computer Services Offered: • Software Products

# Directory of Computer Services Companies

### Wilson Micro Systems

290 Elwood Davis Rd, Ste 212 Liverpool, NY 13088 (315)451-6445

Computer Services Offered: • Software Products

# Winchester Computer Corporation

1270 Broadway, Ste 1009 New York, NY 10001 (212)563-3030

### Wincl Corporation, The See: National Color Labs

Wingate and Associates, Inc. 6877 N. High St. P.O. Box 264 Worthington, OH 43085 (614) 888-3570

### Winterhalter and Associates Inc.

215 Fifth Avenue Dexter, MI 48130 (313) 665-5582

### Wisconsin Physicians Service

P.O. Box 8190 Madison, WI 53708 (608) 221-4711 Ray Koenig, President

Computer Services Offered: • Processing • Turnkey Systems

# Wismer Associates, Inc.

22134 Sherman Wy. Suite 420 Canoga Park, CA 91303 (213) 884-5515 David Wismer, PH.D., President

Total Sales FYE 6/82: \$3,300,000 Cptr. Svcs. Revs. FYE 6/82: \$3,234,000 Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

#### Wolf Data Systems 9300 W. 110th Street

Overland Park, KS 66210 (316) 341-7474 Computer Services Offered: • Processing

### Wollongong Group, The 1135 A San Antonio Rd

Palo Alto, CA 94303 (415) 493-3698 Frank Zehna, President

Computer Services Offered: . Software Products

#### Wood & Tower, Inc. P.O. Box 28

Princeton, NJ 08540

Computer Services Offered: • Software Products

### Woodward, Ryan, Sharp and Davis

3 Park Ave. New York, NY 10016 (212) 689-4100 Gerald Guralnik, President

Total Sales FYE 7/81: \$4,000,000 Computer Services Offered: . Processing

### Word Processing Center See: Arinco Computer Systems Inc.

### Wordtronics 609 Lafayette Ave

Hawthorne, NJ 07506 (201)427-2400 Joseph C Noto, President Computer Services Offered: • Processing

# Worlco Data Systems See: American Business Forms

### World Computer Corporation See: GL Corporation

# World Research Systems Ltd.

P.O. Box 850 Palantine, 1L 60067 (312) 991-1122 Bruce G. Tedesco, President Total Sales FYE 4/80: \$175,000 Est. Computer Services Offered: . Software Products

### World Wide Computer Services See: General Devices Inc.

### World Wide Software Associates See: Oxford Software Corporation

# World-Wide Computer Resources, Ltd

15 Trafalgar Sq Wrentham, MA 02093 (617)384-8681

Computer Services Offered: . Software Products

#### Worldwide Chain Store Systems 303 E Wacker Dr, Ste 1900

Chicago, IL 60601 (312)938-0171 Charles C. Fitzmorris, Jr., President

Private Total Sales FYE 12/81: \$1,500,000 Est.

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

# Worth, Auger & Associates 235 West McArthur Blvd. Suite 629

Oakland, CA 94611 (415) 652-1883 Richard Auger, President Private

Total Sales FYE 12/81: \$500,000 Computer Services Offered: • Software Products • Professional Services

### Worthen Bank & Trust Co. Computer Services Division

Worthen Bank Building Little Rock, AR 72203 (501) 378-1000 Edward M. Penick, Chairman

Computer Services Offered: • Processing

# Wright, Louis A. & Associates

1158 South Main Plymouth, MI 48170 (313)459-7760

Wyle Data Services
See: Wyle Laboratories, Inc.

Wyle Laboratories, Inc.

SUBSIDIARIES:

Wyle Data Services

15302 Bolsa Chica Huntington Beach, CA 92649 (714) 898-8565 Nicholas J. Lewis, General Manager Computer Services Offered: • Processing • Software Products • Professional Services

Wyly Corporation UCC Tower, Exchange Park Dallas, TX 75235 (214) 353-7100

J. Allen Hufft, President Public Total Sales FYE 12/81: \$146,750,000 Cptr. Sves. Revs. FYE 12/81: \$118,850,000

SUBSIDIARIES:

University Computing Company UCC Tower, Exchange Park

Dallas, TX 75235
(214) 353-7100
J. Allen Hufft, President
Total Sales FYE 12/80: \$117,828,000
Computer Services Offered: • Processing • Software
Products • Turnkey System

SUBSIDIARIES:

Digital Systems of Florida, Inc. 114 E. Gregory

Pensacola, FL 32501 (904) 434-2685 Dan Vertrees, Senior Vice President Computer Services Offered: • Software Products

X-Act Computer Service Inc. 118 So. Sunnyvale Ave.

Sunnyvale, CA 94086 (408) 245-4787 Jim Pennington, President Private

Private

Computer Services Offered: 
Processing Professional
Services

XXCAL

Los Angeles, CA 90025 (213) 477-2902 Marvin Hoffman, President

Private
Total Sales FYE 3/81: \$8,000,000
Computer Services Offered: • Software Products • Turnkey
Systems

XEDEX Corporation

1345 Avenue of the Americas New York, NY 10105 (212)489-0444 Computer Services Offered: • Software Products

Xener Corporation 6641 Backlick Rd. Springfield, VA 22150

(703) 569-5050
Raymond Gwinn, President
Private
Computer Services Offered: • Se

Computer Services Offered: • Software Products • Professional Services • Turnkey Systems

Xenex Computer Systems, Inc. 1775 Tribute Rd, Ste B PO Box 13066

Sacramento, CA 95815 (916) 929-8684 Robert Gray, President Private

Total Sales FYE 12/81: \$500,000 Est.

Computer Services Offered: • Processing

Xerox Computer Services
See: Xerox Corporation

Xerox Corporation Stamford, CT 06904

(203) 329-8711 David Kearns, President Public

SUBSIDIARIES:

Autex Division

55 William Street
Wellesley, MA 02181
(617) 235-1940
Charles D. Lamotta, President
Computer Services Offered: 

Processing

Systemix 2737 Campus Dr. Irvine, CA 92713 (714) 851-1010

Xerox Computer Services

5310 Beethoven Street
Los Angeles, CA 90066
(213) 390-3461
Haig Bazoian, President
Total Sales FYE 12/81: \$89,000,000 Est.
Cptt. Svs. Revs. FYE 12/81: \$72,000,000 Est.
Computer Services Offered: Processing \* Software
Products

### SUBSIDIARIES

Praxa Corporation

26 Springdale Rd. Cherry Hill, NJ 08003 (609) 424-3600 Computer Services Offered: • Processing • Software

Xidak, Inc 530 Oak Grove, Ste 101 Menlo Park, CA 94025 Computer Services Offered: • Software Products

Products . Turnkey Systems

Xonics, Inc.

1700 Old Meadow Road McLean, VA 22101 (703) 790-1840

Xybion Corporation 7 Ridgedale Ave Cedar Knolls, NJ 07927

(201)540-9010 Total Sales FYE 3/81: \$4,000,000 Est.

Computer Services Offered: • Professional Services • Turnkey Systems

#### SUBSIDIARIES:

**Xybion Medical Systems Corporation** 7 Ridgedale Ave

Cedar Knolls, NJ 07927 (201)540-9010 Paul Frost, President Computer Services Offered: . Software Products . Professional Services . Turnkey Systems

**Xybion Medical Systems Corporation** See: Xybion Corporation

Yipkon Business Systems, Inc. World Trade Center Suite 7967 New York, NY 10048 (212) 524-7729 Kumar Konanur, President Private Total Sales FYE 12/82: \$3,500,000 Est.

Computer Services Offered: • Processing • Software Products • Professional Services • Turnkey Systems

Yondata Corporation 111 E. Avenue Rochester, NY 14604 (716) 325-7350

Anthony H. Yonda, President

Young Door Company

DIVISIONS:

Plycom Services

P.O. Box 160 Plymouth, IN 46563 (219) 935-5121 Bob Sharp, General Manager Computer Services Offered: . Software Products Zeiler-Pennock

Systems

2727 Bryant St. Suite 600 Denver, CO 80211 (303) 455-3322 Jack Zeiler, President Private

Total Sales FYE 12/81: \$922,000 Cptr. Svcs. Revs. FYE 12/81: \$300,000 Computer Services Offered: • Software Products • Turnkey

Zero-N Systems Inc.

18771 Blythswood Dr. Suite 240 Los Gatos, CA 95030 (408) 735-1634 James Morgan, President Private

Computer Services Offered: • Software Products

Zia Corporation

P.O. Box 351 Morris Plains, NJ 07950 (201) 540-9341 Glenn Burnett, President

Ziff-Davis Publishing Company

DIVISIONS:

Strategic Information

80 Blanchard Rd Burlington, MA 01803 (617) 273-5500 Richard Kaylor, President Total Sales FYE 7/82: \$22,500,000 Est. Cptr. Svcs. Revs. FYE 7/82: \$15,000,000 Est. Computer Services Offered: . Processing . Software Products . Turnkey Systems

Zink & Katich Data Processing Inc.

1905 Bernice Rd. Lansing, IL 60438 (312) 895-0880

**Zytron Corporation** See: Dun and Bradstreet

3COM Corporation

1390 Shorebird Mountain View, CA 94043 (415)961-9602

Computer Services Offered: • Software Products

CAMP COMPUTER SERVICES INDEX	(	SERV	/ICES	K	PRO	CESS 10DE	ING	Pl	TY		G	CON	MOT	IN
SERVICE AVAILABI COMPANY NAME	AS AS AS AS AS AS AS AS AS AS AS AS AS A	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
A & H Income Tax Centers, Inc.				Ė	Г		Т	-				-		
A Supplementary DP Service, Inc.			-		$\vdash$	•	$\vdash$		-	$\vdash$		_		ī
A. B. Dick Company Business Systems			1						-					_
A.M.S. Consulting Limited		•	•		-			-			-			Ī
A-Kwick Key Punch Inc.		Ť	1					-						Ī
AAA Technology and Specialties Company								_						r
ABC Computers, Inc.			Ė		$\vdash$									r
Abt Associates Inc			•			•		•				•	•	r
Abt Computer Graphics Corp					•	•							•	t
Abt Information Services		+					$\vdash$							r
Abt Microcomputer Software														Г
ACSC							$\vdash$	$\vdash$				Г	Г	Γ
ADM Interactive Systems, Inc.		$\vdash$	Т		$\vdash$		Г							Ī
ADP Collision Estimating Services Inc.		Т	1											Γ
AGMO Software		T			Т						Τ			Ī
AGS Computers Inc.			•		Г							Г		Γ
AIS Corporation - Medical Management Systems			•	•	•				П	•	•	•		Γ
AMI Systems Inc.		Т	Т		Г			Г		Г		П	•	Γ
AMS Information Inc.		1		•	Г			Г						
APL Data Systems				Г	Т		П	Г			Γ.			
APL Systems			•											I
AR Mediquest				T	Г	Π.		Г						
ARC Automation Group Inc.	•	Π.		•		•				•		L		
ASA, Inc.		Т				•								ı
ASCC, Inc.	•			Π.	•								•	
ATAC								L				L	_	1
ATM/Network Management Corp									_					1
AUI Data Graphics												_		1
AV Products, Inc.			-					1		1	-	1		1
AVP Systems								1		-				1
AW Consultants, Inc.								1	-	1	-	1		1
A.C.T.S. Corporation			-	1	1	-	1	-	-	-	-			1
Abacus Programming Corporation		_			-	•	-		-	1	-	-	-	1
Academic Financial Services Association	•	_		+	•	•	-	-		+	-		•	1
Acc-U-Data	•	_	•	_	1	1	1	-		-	-	-		1
Access International, Inc.		-	-			1					-	-		1
Access Technology, Inc				1	1	1	1	1	1	1	1	1	1	1

CAMP COMPUTER SERVICES INDEX	(	COMI SER	UTE VICES			CESS		P	ROCE TY	SSIN PE	iG	CON	EMO 4PU1	TE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Acco Industries	•		$\vdash$		_							Г		
Accountant's Microsystems, Inc.								_				Н		Н
Accountants Computer Network, Inc.			•	-		•	•			•	•	•		
Accountants Computer Resources Corp. (ACR)			Ė		-		Ť				Ť	Ť	-	
AccounTech Systems, Inc.					_			_	-			-	-	┢
Accounting Corporation of America		Ė			•	•		_				-	•	H
Accounting Data Service					-			-		_		-	•	-
Accounting Systems Corporation						•		Н		_			-	H
AccTex Information Systems		1				Ė		-			_			-
Accu Ray Corp.		1		-	-							Н	_	-
Accurate Data Services Inc.			•	-		•		•				$\vdash$	$\vdash$	$\vdash$
Accusoft Inc.			Ė					Ė				-	-	-
AccuSystems			•	•	•	•		•				•		-
Accutab Data Processing Inc.						•						Ė		H
ACES Software				•				Ė				H		Н
Acoma Computer Resources								П						Н
Action Business Computing				•									-	Н
Adams Minicomputer Systems Inc.			•									Т		
Addison-Wesley Software Marketing													_	
Adelie Corporation		•												
Administrative Information System, Inc.		•	•											
Admins, Inc.		•	•										_	
ADPAC Corporation		•	•											Т
Advance Business Services														
Advance Data					•	•		•						
Advanced Applications Inc.		•												Г
Advanced Computer Techniques Corp.		•	•				•							Г
Advanced Computer Management Corp.							•							
Advanced Cybernetic Inc.			•		•	•		•				•		
Advanced Data Group		•	•		•	•	•	•	•			•	•	
Advanced Data Management	•	•		•	•							•	•	•
Advanced Data Processing Inc.						•		•						
Advanced Data Systems Inc.	•	•	•			•						•	•	
Advanced Digital Data, Inc.			•	•										
Advanced Information Systems Advanced Legal Software	_		•											
Advanced Legal Nottware														

CAMP COMPUTER SERVICES INDEX		S	ERV	ICES	R	PRO	CESS	E	Pi	ROCI	PE	iG		IPUT	
SERY AVAIL COMPANY NAME	VICES ABLE	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Advanced Management Technologies		Ť	•	•	•								Н		Г
Advanced Medical Systems		_	-	_	•	•		-	Н	Η.	•	•	•		H
Advanced Operating Systems		-	•		-									-	-
Advanced Software Products		$\rightarrow$	•	•	•	-	_	Н	-				Н		۲
Advanced Systems Applications		-	•	•	_	•		•	-		•	•	•		٢
Advanced Systems, Inc.		+	-	•		Ť	-	Ť	-		Ť	_	Ť		r
Advanced Technologies Group		+	•	÷				Н					Н	-	r
Advent Online Knowledge, Inc			•					Н	Н	-	Н		Н		r
Adventures in Computing, Inc.		_	•	•	•			Н	Н	-	-		-		r
Advertising Distributors of America			-	Ť	Ť	Н	•	Н		$\vdash$					r
Advertising Inquiry Network, Inc			$\neg$			•	Ť		•		Н		•	•	Γ
ADVO Systems Inc.						•	•		-	$\vdash$			•		
Adwest Corporation			•			Ė					Н		Ė		Г
Affiliated Computer Systems	•	•				•					•	•	П		Γ
Ag-Data Inc.	•						•		•		Ė		П		Γ
AGAPE Enterprises		T	•	•	•								П		٢
AgriData Systems, Inc		7	•												٢
Agro Systems Corporation	•		•	•		•	•				П			•	٢
AIMS Management Systems	•					•	•		•		П	•	•		٢
Aims Plus, Inc.		7	•	•											٢
AKRA Data Corporation	•					•	•						•		٢
Allied Data	•		•	•	•	•	•						•	•	Ī
Allied Financial Services, Inc.	•	•				•	•				•	•	•	•	ſ
Allied Information Systems Company						•					П		•		Ī
Allinson-Ross Corporation			•												Ī
Alltrans International Group Inc.	•			•		•			•				•		ſ
Allyn, Calvin P. & Associates			•												Ī
Alpha Beta Data Services, Inc.	•	•					•		•						Ī
Alpha Data Services Inc.	•	D	•			•	•		•	•				•	Ī
Alpha Data Systems Inc.	•	•													Ī
Alpha Microsystems		П			•										Ī
Alpha Systems, Inc.			•	•											Ī
Alphatext, Inc.						•									
Alpine Data Systems		-	•	•	•										Ĺ
Ambridge International, Inc.		_	•	•											Ĺ
Amcom Data Processing, Inc.	•				•		•					•		•	ĺ
Amcor Computer Corporation			•	•											ĺ

CAMP COMPUTER SERVICES INDEX	(	COMP SERV	UTE /ICES	R	PRO N	CESS MODE	ING E	PF	TY	SSIN PE	G	COM	MOT IPUT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Amdax Corporation	+	•	Н		Н									
America Resource Consultants, Inc		۳	-	Н	Н		Н		_		-			
American Agency Data Systems	-			Н	-			Н				-		_
American Automated		-			•	Н		Н				•		
American Business Systems Inc.	-	$\vdash$		•	_	-	-	Н	_			_	-	
American Computer Center Inc.	-	-		•	•		•				-		-	
American Computer Services, Inc.	-	•						Ħ		-			-	
American Computing Systems Company	-	-	-	_			-	¥			_	-	_	Н
American Data Services, Inc.	•	•	-	-	-	-		Н	_			Н	_	-
American Dynamic Systems & Services	-	•	•	•	Н	H		Н				Н	_	H
American Franklin Company Corporation	•	•	-	-		•		Н					_	Н
American Hospital Supply Corp.	-	۳	$\vdash$			-		Н	_	Н		-	_	-
American Information	-	-			6	•		•		Н	•	•	-	H
American Information Systems	-	$\vdash$	•		-	-		-		_	_	-		-
American Keypunch & Systems	•	$\vdash$	•		•	•						-	•	-
American Management Systems	-		•		H	•		Н			_	•	•	
American Microcomputer Systems and Services, Inc.	-	-	-	•	_	•		-		_		_	_	-
American Software Corporation	+	•	⊢	_		-		Н	_			Н	_	
American Software Corporation  American Software, Inc.		•	⊢		•				_					
American Used Software Co.	-	•			-	•		_				Н	_	-
American Osed Software Co.  American Valuation Consultants Inc.		•	-			-		Н						
American Viking Enterprises Inc.	-	•	-			_		Н	_			_	_	-
AmeriTrust Corporation	-		⊢	-		H		Н				_		-
Amherst Associates		-	⊢					_	_				_	-
		-			•	•				_		틧	_	_
Ampersand Corporation Amtab Data		•	•	•	•		•		_	•	•	•	•	
Anacomp Computer Management, Inc.	-		•			•		H			_	_	_	H
Anacomp Computer Management, Inc.  Anacomp, Inc.		•	-		•	_	_	H	_		•		•	_
	•	•	•	•	•	•	•	_	_	•			•	
Analex Computing, Inc.	+	•	•	_	_			Ш						-
Analogics, Inc.  Analysis and Programming Corporation	-	•	•	•										
Analysis and Programming Corporation  Analysis and Technology, Inc	•			-	•	•								
Analysts International Corporation	-	-	•		-	-						•	•	-
Analytics Inc.	-	•	•	•		-			_				_	-
Anatytics inc. Anstat Business Services	-	•	•	9	•	-			_					
Anstat Business Services Antech	-											•		

CAMP COMPUTER SERVICES INDEX	(	SER	PUTE VICES	R	PRO	CESS	SING	P	ROCI	ESSIN PE	(G		EMOT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Anthusion Inc.			•						_			$\vdash$		Г
Apple Computer	+	•	-		-	Н	$\vdash$	-			Н	$\vdash$	-	-
Application Development System Inc.		•	-	-				-				-		-
Application Systems International		•	-				-	-			-	-		-
Applications Data Enterprises		•	•	•	•	•	-	•		-	-		Н	H
Applications Programming Co.	Ť	•	•	Ť	Ť	Ť	-	Ť				Ť		r
Applications Software Inc.	_	•	_		Н		-	-					Н	r
Applicon Inc.		Ť		•	Н			Н			Н			r
Applied Business Systems	_	•	$\vdash$	•	$\vdash$			-			Н			
Applied Business Systems, Inc.		Ť	$\vdash$	-	•		-	Н						-
Applied Business Systems, Inc.				•	Ť	•		Н			-	Ť		r
Applied Business Technologies Inc.	-	•	-	•	Н			Н			-	-		r
Applied Communications Inc.		•	•	•	Н			Н				$\vdash$		r
Applied Computer Associates	•	_				_		П				$\vdash$		Γ
Applied Computer Enterprises, Inc.		$\vdash$						Н						Ī
Applied Computer Graphics			•		П			П				-		ſ
Applied Computer Services Inc.		-	•	•	•	•	•	•		_	•	•		Ī
Applied Computer Systems				•	Ė						_	-		Ī
Applied Computer Technology Application Software Division		•			П									Ī
Applied Computing Devices				•										Ī
Applied Cybernetics Inc.		•					_							ſ
Applied Data Processing, Inc.				•		_								r
Applied Data Research, Inc.		•	•	•		•		П						ſ
Applied Data Systems, Inc.		•	•	•										ſ
Applied Design Company Inc.						•		•						Ī
Applied Digital Data Systems, Inc.				•										Ĩ
Applied Dynamics Inc.				•			•	•						Ī
Applied Financial Systems		•			•							•	•	Ī
Applied Financial Technology Inc. (AFTECH)					•					•	•	•		Ī
Applied Information Development (AID), Inc.		•	•	•										Ī
Applied Information Dynamics, Inc		•												Ī
Applied Information Management Inc.		•		•										Ī
Applied Information Systems, Inc. (AIS)		•	•	•										Ĺ
Applied Management Systems Inc.		•	•	•										Ĺ
Applied Microcomputer Systems		•	•											ĺ
Applied Software Inc.		•												ĺ
Applied Software Technology		•												

AMP COMPUTER SERVICES INDEX	(	OMP SERV	TCES	R	PRO	CESS 10DI	ING	PI	ROCE TY	SSIN PE	G	CON	MO1	TE TNC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Applied Systems Associates	-		•	•	7	•		•	•		-	•	_	-
Applied Systems Associates  Applied Systems Corporation	-	•	0	-	H			Ľ	-		•		_	Н
Appred Systems Corporation  Apro Systems, Inc	-	•	-	-						-	_			
Aguas Inc.		-		-						-		-		-
Arbat Systems, Ltd.	-			•	H	_	-	$\vdash$		_	-	-	-	H
Arbitron	-	-	-	-	•	•	-	$\vdash$	-	•	•	$\vdash$	-	-
Archives Incorporated	-		-	•	-	_		$\vdash$		-	_	├	-	-
Arcola Software	-	•	•	-	•		_	•	$\vdash$	-	-	•		-
Area Computer Services, Inc.	-	•	•	•	H	•		•	$\vdash$		•	-	-	-
Aregon Group Ltd	-	•	•	-	H	_	-	-	-		-	-	$\vdash$	H
Argonaut Information Systems Inc.	-	•	-		-	-		-	-	-	-	-	$\vdash$	$\vdash$
Argonaut Information Systems inc. Argonaut Information Systems of Kansas	+	-	$\vdash$	•	-		-	-	-	-	-	⊢	-	H
Argos	+	•	•	•		_	-	-	-	-	-	-	-	⊢
Aries Information Systems, Inc.	-	•	-	-		_			-	-	-	├	-	⊢
Arinco Computer Systems Inc.		-	+-		⊢	-		$\vdash$		-	$\vdash$	├	-	⊢
Arkansas Systems Inc.	+			-	_	$\vdash$		$\vdash$	$\vdash$			$\vdash$		⊢
Arkay Computer Inc.		•	-	-	-	$\vdash$		-			-	-		┝
Arms Inc.		-	-	-	-	-	$\vdash$	⊢	$\vdash$		$\vdash$	┝		⊢
Arrigoni Computer Graphics	-	-	-		-	-	-	-	-		-	┢		├
Arthur Andersen & Co.		•	•	-	-	-	-	-	-	-	$\vdash$	┝	-	-
Arthur Young & Co.		-	-	-	-	-	-	$\vdash$	-	-	-	-	-	┝
Artificial Intelligence Corporation	+	•	•	-	⊢	$\vdash$	-	$\vdash$	-	-	-	┢		H
Artronic Information Systems Inc.		•	-	•	-	-	-	-	-	-	-	$\vdash$	-	H
Ashton-Tate		•	-	-	-	-	-	-	-	-	-			┝
Asist		•	•	-	-	-	-	-		$\vdash$	-	-	-	H
ASK Computer Systems, Inc.		•	۳	•		$\vdash$		$\vdash$	$\vdash$	$\vdash$			$\vdash$	H
Aspen Computer Systems, Inc. Aspen Computer Services		•	-	•	-	•	-	•	-	-	-	-	-	-
Asset Data Systems Inc.	-	-				•		-		-		-		-
Associated Computer Consultants	-				-	-				-	-		-	
Associated Computer Management Specialists, Inc (ACMSI)		•	-							-	-	-		-
Associated Computer Services Inc.		-	-		•	•								
Associated Credit Services	•				•	-								
Associated Press					•					1	-	•		
Associates for Management Services Inc.												1		
Astradyne Computer Industries, Inc.		•												
Atlanta Data Processing Service	-	Ť		•										
Atlantic Data Services Inc.			-				-		-	-	-	-		-

CAMP COMPUTER SERVICES INDEX	(	SER	PUTE	R S	PRO	HODI	SING E	P	ROCE TY		iG.		EMO APUT	
SERVICES AVAILABLI COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Atlantic Management Systems		•			Г			П						Г
Auditek Inc.		-			$\vdash$	•		_	-					r
Autex Division					•					-	•	•	•	r
Authorization Systems Inc.	•		•		•	•	•	-		-		Ť		r
Auto Tell Services, Inc.			Ė	•	•	-	-	-				•	•	r
Auto-trol Technology Corporation	_	-	_	•		_							Ė	r
Automated Business Services, Inc.			•	•	$\vdash$	•		•			Н		-	r
Automated Business Systems Inc.	- 1	-	•	Ė	$\vdash$	Ť		Ť					-	r
Automated Concepts, Inc.			•	•	$\vdash$		П	-						r
Automated Data Associates Inc.		•	•	•	$\vdash$	•	П							r
Automated Design Centers	•	1	Ė	Ė	$\vdash$	Ė		_						r
Automated Financial Systems Inc.		•						Н	П			Т		r
Automated Health Systems, Inc.	_			•		_		_	П			Н		r
Automated Language Processing Systems (ALPS)				•		_								r
Automated Management Inc.		•			Г							Г		Г
Automated Medical Associates, Inc.				•										Γ
Automated Quill Inc.		•												Г
Automated Resource Management Inc.	•		•			•						-		r
Automated Resources Group Inc.		•	•	•		•				•	•			Г
Automated Science Group, Inc.		•	•	•	•			•				•		Γ
Automated Systems Design Corporation			•	•										Г
Automated Systems Consultants			•											Γ
Automated Systems Marketing												Г		Γ
Automated Systems, Inc.	•	•	•	•	•	•						•	•	Γ
Automated Teller Machine Services Group		•												
Automatic Business Centers Inc.	•					•		•						
Automatic Data Processing Inc. Inc.	•		•	•	•	•	•	•		•	•	•	•	ŀ
Automatic Industrial Applications Inc.			•	•										L
Automation Consultants International		•	•	•				L						L
Automation Consultants		•	•	•										
Automation Inc.	•				•	•						•	•	L
Automation Management Services, Inc. (AMS)			•											L
AutoScript, Inc.	•	•	_	•	•		_	_				•		1
Autumn Software		•	•		_		_						_	1
Auxton Computer Enterprises			•	_	_	-						_		L
Avar and Associates														1

CAMP COMPUTER SERVICES INDEX	(	SER	PUTE VICES	R	PRO	CESS 4ODI	E E	PI	ROCE TY		G	CON	MOT PUT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Aviation Information Services Inc.			•	•	•			_	Г			•		Т
Axios Group	-			-	-	-		$\vdash$				Ė		-
Axxess Information Systems, Inc.	+	ř	Ť	•		-	-	$\vdash$			-			-
Aya Associates Inc. (AAI)				•	•	$\vdash$					$\vdash$		-	Н
Ayers-Whitmore		-		-	Ť	-		F		-		Ť	-	-
Azrex Inc	-		•			-		-	-	-	_	$\vdash$		H
Aztec Data Processing Inc.	-	-	•		Н	•	$\vdash$			-	-	-		H
Aztech Corporation	•		۳				+-	Ť		$\vdash$	-		•	H
B & L Associates, Inc	-		+-	-	-	-	+-	-		$\vdash$	$\vdash$	F	_	H
B.K. Dynamics		Ť		+-	-		$\vdash$	-	-	+	$\vdash$	$\vdash$	$\vdash$	-
BBN Computer Corporation	-		۳	$\vdash$	-		$\vdash$	$\vdash$	-	-	$\vdash$			-
BDM International, Inc.	_	Ť		-	$\vdash$	-	+-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	H
BGS Systems	_		۰			-	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	-
BIS. Inc.	+	۲		-	$\vdash$	$\vdash$	$\vdash$		-	+-	-	$\vdash$	$\vdash$	H
BM Systems	+		+	-	╁		$\vdash$	$\vdash$	-	-	-	-	$\vdash$	H
BMS Computer Inc.	+		-	$\vdash$	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$	-	Н
BPI Systems, Inc.	+		_	$\vdash$	+	-	-	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	+-	H
BRS Computing Inc.					$\vdash$		-	-	+	+		$\vdash$	$\vdash$	H
BSA Company, Inc.				۲	$\vdash$	-	+-	+-	-	-	۲	1	$\vdash$	H
BST Consultants, Inc.					$\vdash$		-	$\vdash$	$\vdash$		•	+-	-	Н
BST Data Systems Company	•	-	+	-	-	•	-		$\vdash$	-	•	$\vdash$	$\vdash$	┝
BUC International Corp	-	+	+-	+-		-	+-	-	$\vdash$	-	Ť	$\vdash$	$\vdash$	
Babcock & Wilcox Company Computer Services				+			-	╁		+-	$\vdash$			ř
Baird Corp.		+-		+-	Ť	-	+-	+	Ť	+-	-	ř	Ť	H
Baird Petrophysical Group		+	Ť	+			+-	-	-	-	-	-	$\vdash$	╁
Bakco Data Inc.	-   -		+	+	1	+	+	$\vdash$	$\vdash$	+-	+	┢	$\vdash$	H
Bakken & Schaefer		_	-		+	$\vdash$	+	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H
Baldwin-Deco Service Center		+-		۲			+	+-	+-					1
BancAids	-		-	1	1	1	-	1	-	Ť	-	+	1	t
Bancology		Ť	۰	$\vdash$	$\vdash$		+	╁	-			╁╌	$\vdash$	H
Bancroft Computer Systems						1				Ť	Ť	1		T
Bank of New Orleans and Trust Company		-	-	1				1					•	•
Bankmatic Systems Inc.						Ť				Т		1	1	Ť
BankWire					•									1
Barkett Computer Services, Inc.				1			1					1		1
Barrister Information Systems Corp			Ť		1		1	Ť	1-		1			1
Base Network Corp	-		+	Ť	1		+					-	+	t

CAMP COMPUTER SERVICES INDEX	(	SERV	TICES	R	PRO	CESS 10DE	ING	P	ROCE TY	SS1N PE	G	CON	MOT	E IN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Batt Bates & Company	•		$\vdash$		$\vdash$									-
Battelle Columbus Laboratories	-		$\vdash$	-	•		Н	$\vdash$	Н			Н		1
BayBanks Data Services, Inc.	-				-	-	-	-						Ì
Beck. Thomas Inc.	-	-		-							-			
Bedford Computer Systems	+		•	-										
Bell & Murphy and Associates Inc (BMA)	-	-	•				Н	-	-			Н		r
Beneficial Computer Services Inc	•	-	-	$\vdash$		•		$\vdash$				•	•	H
Bergen Brunswig Data Services Co.	•	$\vdash$		•	۰	_		-				Ť	Ť	r
Berkshire Bank and Trust Co. Automated Customers Service		$\vdash$	$\vdash$	Ť		•	-	•	-	Н		$\vdash$		r
Berman Associates	+-			$\vdash$		Ť	-	Ť	-	-	-	$\vdash$		r
Bernhard, Arnold & Co., Inc.		-	-				-	•	-	-		•	Н	r
BETAC Corporation	+	+			Ť	$\vdash$	-	Ť	-	-	-	Ť	Н	Г
Better Methods Software Corp	+		-	$\vdash$	$\vdash$	$\vdash$	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$		r
Bibliographic Retrieval Services Inc.		1	$\vdash$	$\vdash$		$\vdash$	-	$\vdash$	$\vdash$	$\vdash$		$\vdash$		
Black, David R & Associates, Inc	Ť		+	$\vdash$	1			$\vdash$	-	_	-	_		r
Blackhawk Data Corporation	_			+-	+-						-	-		r
Blank, Joseph R., and Associates Inc.	_			$\vdash$	†			1	-			Н	$\vdash$	r
Boeing Computer Services Company				1		•	•	•	•	•	•	•		r
Boise Cascade Computing		1	•	$\vdash$		•	-	•	Ť	-		•	•	t
Bolt Beranek and Newman, Inc.			•	•	$\vdash$						_			r
Bonner & Moore Computing Co.		$\vdash$	$\vdash$			•				-	_	$\vdash$		r
Boole & Babbage, Inc.	$\neg$	•		$\vdash$	$\vdash$	$\vdash$		T	$\vdash$	$\vdash$		$\vdash$		r
Booz Allen & Hamilton Inc.	$\neg$	T		T	T			Т		Г				r
Boston Financial Data Services				T	•	•		1	Т			•	•	İ
Boston Systems Office (The), Inc.													Г	Ī
Bowne Information Systems, Inc.					$\vdash$		1							Ī
Bradford Business Systems Inc.								Т						Ī
Bradford National Corporation						•	•	1		•	•	•		Ī
Bradmark Computer Systems, Inc							1							I
Brandon Consulting Group, Inc.								Т						Γ
Brault, Strauchman Associates			•											ſ
Breen Systems Management Inc. (BSM)				•										ĺ
Breuer and Co.		•	-											1
Bridge Data Co.		-	•		•									1
Bristol Information Systems Inc.			-											1
Brokerage Software Systems Inc		_												1
Brokerage Transaction Services Inc.		1	1	1		1		1	1					1

CAMP COMPUTER SERVICES INDEX		SER	PUTE VICES	R	PRO	CESS MODI	ING E	P.	ROCE TY	ESSIN PE	(G	CON	MO 1PU1	TE TN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Brookings Institution Social Science Computation Ctr					•					$\Box$				_
Brown Computer Center	-		Ť		Ť	•						Н		_
Brown's Data Processing Service Center				•		•		•	-	$\vdash$				_
Bryce, M. and Associates Inc.	-		-	_	-			-		-	Ť	Ť	-	_
Budco Data Systems				$\vdash$								-	_	_
Budget Computer Systems		•		•	•			•				•		_
Budget Timeshare Inc		•	•		•							•	•	_
Burlington Data Processing Inc.		•	•	•	Ė							Ė		_
Burnett, Ed, Consultants Inc.		•	•	•	•	•	•	•			•		•	_
Burroughs Corporation		•	•					Ė						_
Bush, Lloyd and Associates		•	•		•									
Bush, Oren & Associates			•											_
Business and Professional Software, Inc.		•	Г											Т
Business and Technological Systems, Inc.		•			$\overline{}$									ī
Business Application Systems, Inc. (BAS)		•		•										Т
Business Applications Group														_
Business Automation Inc.				•										_
Business Computer Design		•	•											_
Business Computer Service Inc.			•	•		•		•					•	
Business Computer Services Inc.				•	•		•							
Business Computer Systems Corp.		•			•	•					•		•	_
Business Consultants of Arizona, Inc.														
Business Controls Corporation		•	•	•				•			•			
Business Data Services, Inc.	•				•	•						•	•	
Business Data, Inc.		•								$\Box$				
Business Information Products Division		•												
Business Information Systems Inc.						•							•	
Business Model System, Inc		•												
Business Planning Systems, Inc		•												
Business Programmer Services, Inc.	•	•	•			•	•	•						
Business Service Corporation Business Services	•		•			•								
	•					•		•						
Business Systems Associates Inc	-	•												
Business Systems Consultants	•		_		_									
Business Systems Inc. Business Systems Research Inc.	•					•				•	•			
Bytek	•		•	•	•				_		•	•		

CAMP COMPUTER SERVICES INDEX	, c	SERV	UTE	R	PRO	CESS 10DI	ING	PI	ROCE TY	SSIN PE	G	CON	EMOT 1PUT	TE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
C & C Computer Service	•	92	_									Г		T
C.A.C.I., Inc.	•	•	•		•		-	-		_	_	-	-	t
CB Associates	•				Ė	•							-	t
CCH Computax Inc.	•			•	•	•						•		t
CCS	•					•		•						T
CDE Associates	_	•			Т									t
CDS Systems, Inc.	_	•		•								$\vdash$		t
CFM Software Services	-	•	•									$\vdash$		t
CFS Inc.	_	•			Т		$\vdash$		Т					t
CGA Computer Associates Inc.	+-	•	•									T-	1	t
CGG Data Processing Service Inc		1	•								$\vdash$	•	$\vdash$	t
CIC Data Corp.	•	•	•			•		$\vdash$		•	•			t
CIS/Corp. Facilities Group Inc.	+	T		•				$\vdash$		_				t
CL Systems Inc.			•	•										T
CMC Associates Inc	•	•	•	•	$\vdash$			$\vdash$						t
CMC Software		•	•	•								Г		T
CMSI		П	•		П							Г		Τ
CPAids		•		•								Г		T
CPS - Medical Billing Systems	•					•				-				I
CPS Inc.			•	•										Ι
CPU International, Inc.		•												Ι
CR Inc (Compensation Resources)	•	•	•		•									
CRC Information Systems Inc.	•							L						1
CRI	•	•	L		•	•		L				•	•	1
CS Computer Systems Inc.		•	•					L	_				L	1
CSW, Inc.	•	•	•		•	•	•	L	L				•	1
CS2/Database International		•		_										1
CTEC Inc.			•		_						_	_		1
CTI Limited Inc.	•		•			_						_		1
CTS Services Inc	•		•	•	-				-				-	+
CUC Insurance Services		-	Ļ		•	_	_	_			_	-	-	+
C3 Inc.	1		•	-	-	-			-	-	-	-	-	+
Cable Data		-	-	•		•	-	-	-	•	•	-	-	+
Cableshare Limited	•	+	•	•	-	-		-	-	-	-	-	-	+
Cadlink, Inc			-		-		-	-	-		-	-	-	+
Cado Systems of MD, Inc.														

COMPANY NAME  Cal-Western Econometrics  Calculogic Corporation  Calculon Operating Service California Interactive Computing, Inc. California Minicomputer Systems Inc. California Software Products California Software, Inc California Software, Inc California Software, Inc California Systems Associates Call Computer  Call Computer  CallData Systems, Inc.  Calmac Company  Calspan Corporation Advanced Technology Center Camac, Inc.  Cambridge Systems Group, The Cammack Consulting Agency, Inc.  Candadian M.S.P. Software Products  Candide Corporation  Candide Corporation  Cande Corporation  Candon Computer Company  CAP Gemini, Inc.  CAP-CPP Inc.  Capex  Capex  Capro Inc  Cara Corporation  CARDS Inc.  © CARDS Inc.  © Cardware Inc.  © Care Computer Systems  © Care Computer Systems  © Care Computer Systems  © Care Computer Systems  © Care Computer Systems  © Care Computer Systems  © Care Computer Systems	SOFTWARE PRODUCTS	<ul> <li>PROFESSIONAL SERVICES</li> </ul>	TURNKEY SYSTEMS	REMOTE COMPUTING		FACILITIES MANAGEMENT	SINESS	& ENGINEERING		LTY			
Calculogic Corporation Calculon Corporation Calculon Operating Service California Interactive Computing, Inc. California Minicomputer Systems Inc. California Software Products California Software, Inc California Systems Associates California Systems, Inc. Calima Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Cambar Business Systems Inc Cambar Business Systems Inc Cambar Business Computing Agency, Inc. Cambar Business Computing Agency, Inc. Cambar Business Systems Group Canada Systems Group Canada Systems Group Canada Systems Group Canada Corporation Cananon Computer Company CAP Gemini, Inc. CAP-CPP Inc. Capcom Systems, Inc. Capcom Systems, Inc. Capcar Corporation CARDS Inc. Cardware Inc. Cardware Inc.	•	•		REN	BATCH	FACILITIE		SCIENTIFIC &	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Calculon Corporation Calculon Operating Service California Interactive Computing, Inc. California Minicomputer Systems Inc. California Software Products California Software, Inc California Systems Associates Call Computer California Systems Associates Call Computer Call Camputer Campany Calspan Corporation Advanced Technology Center Camac, Inc. Cambar Business Systems Inc Cambar Business Systems Inc Cambar Group, The Cammack Consulting Agency, Inc. Candada Systems Group, The Canadian M.S.P. Software Products Candle Corporation Cannon Computer Company CAP Gemini, Inc. CAP-CPP Inc. Capcom Systems, Inc. Capro Inc Carpo Inc Carpo Inc Carpo Inc Card Corporation Card Corporation Card Corporation Card Corporation Caps Inc. Capco Inc Card Corporation Card Corporation Card Corporation Card Corporation Card Corporation Card Corporation Card Corporation Card Corporation Card Corporation Cardware Inc. Cardware Inc.	•	•		•			П		•		•		
Calculon Corporation  Calculon Operating Service  California Interactive Computing, Inc.  California Minicomputer Systems Inc.  California Software Products  California Systems Associates  Call Computer  California Systems Associates  Call Computer  Call Camputer  Cambridge Systems, Inc.  Cambar Business Systems Inc  Cambridge Systems Group, The  Cambridge Systems Group, The  Cambridge Systems Group, The  Candada K.S.P. Software Products  Candle Corporation  Cannon Computer Company  AP Gemini, Inc.  CaP-CPP Inc.  Capcom Systems, Inc.  Capro Inc  Card Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Card Caprolation  Caprolation  Caprolation  Caprolation  Card Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Caprolation  Capro	•				•			•					
Calculon Operating Service  California Interactive Computing, Inc.  California Minicomputer Systems Inc.  California Software Products  California Software, Inc  California Software, Inc  California Software, Inc  California Software, Inc  California Software, Inc  California Systems Associates  Call Computer  Call Data Systems, Inc.  Call Data Systems, Inc.  Calma Company  Calspan Corporation Advanced Technology Center  Camaca, Inc.  Cambar Business Systems Inc  Cambar Business Systems Inc  Cambar Business Systems Inc  Cambar Group, The  Cammana Consulting Agency, Inc.  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Corporation  Canonon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Capcapo Inc.  Capro Inc  Cara Corporation  Cardware Inc.  Cardware Inc.  Cardware Inc.	•	•											
California Minicomputer Systems Inc.  California Software Products  California Software, Inc  California Systems Associates  Call Computer  Call Computer  Call Data Systems, Inc.  Calma Company  Calspan Corporation Advanced Technology Center  Camac, Inc.  Cambar Business Systems Inc  Cambridge Systems Group, The  Cammack Consulting Agency, Inc.  Candada Systems Group  Canadian M.S.P. Software Products  Candle Corporation  Cannon Computer Company  CAP Gemini, Inc.  CAP-CPP Inc.  Capcom Systems, Inc.  Capco Inc.  Capco Inc.  Capto Inc.  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation  Carda Corporation	•	ā											
California Software Products California Software, Inc California Software, Inc California Systems Associates Call Computer CaliData Systems, Inc. Callbata Systems, Inc. Calma Company Calspan Corporation Advanced Technology Center Camae, Inc. Cambar Business Systems Inc Cambar Business Systems Inc Cambar Business Group, The Cammaak Consulting Agency, Inc. Cananda Systems Group Canada Systems Group Canada Systems Group Canada Systems Group Canande Corporation Canono Computer Company CAP Gemini, Inc. CAP-CPP Inc. Capex Capero Inc. Capex Capro Inc Cara Corporation CARDS Inc. Cardware Inc. Cardware Inc.						$\neg$	П						
California Software, Inc California Systems Associates Call Computer Call Data Systems, Inc. Calma Company Calspan Corporation Advanced Technology Center Cambar Business Systems Inc Cambar Business Systems Inc Cambridge Systems Group, The Cambridge Systems Group, The Cammack Consulting Agency, Inc. Canada Systems Group Canadian M.S.P. Software Products Canadle Corporation Cannon Computer Company Cange Gemini, Inc. CAP-CPP Inc. Capcom Systems, Inc. Capco Systems, Inc. Capro Inc Carpo Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Cardware Inc. Cardware Inc. Cardware Inc.			•										_
California Systems Associates  Call Computer  Call Computer  Call Data Systems, Inc.  Call Data Systems, Inc.  Calma Company  Calspan Corporation Advanced Technology Center  Camac, Inc.  Cambar Business Systems Inc  Cambridge Systems Group, The  Cammack Consulting Agency, Inc.  Candada Systems Group  Canadian M.S.P. Software Products  Candle Corporation  Cannon Computer Company  CAP Gemini, Inc.  CAP-CPP Inc.  Capcom Systems, Inc.  Capco Inc  Carpo Inc  Carpo Inc  Carro Inc  Carro Inc  Carro Inc  Carro Inc  Carro Inc  Carro Inc  Carro Inc  Cardware Inc.  Cardware Inc.	•												_
Call Computer  Call Data Systems, Inc. Call Data Systems, Inc. Calma Company Calspan Corporation Advanced Technology Center Camac, Inc. Cambar Business Systems Inc Cambar Business Systems Inc Cambridge Systems Group, The Cammack Consulting Agency, Inc. Cananda Systems Group  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Corporation  Cannon Computer Company  CAP Gemini, Inc. CAP-CPP Inc. Capeom Systems, Inc. Capeo Capto Inc Cara Corporation  CARDS Inc. Cardware Inc. Cardware Inc. Cardware Inc.	•												_
CallData Systems, Inc.  Calma Company Calspan Corporation Advanced Technology Center Camac, Inc. Cambridge Systems Inc Cambridge Systems Group, The Cammack Consulting Agency, Inc. Candada Systems Group Canadian M.S.P. Software Products Candle Corporation Cannon Computer Company CAP Gemini, Inc. CAP-CPP Inc. Capcom Systems, Inc. Capco Inc Capro Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Carpor Inc Cardware Inc. Cardware Inc.	•					$\neg$							-
Calma Company Calspan Corporation Advanced Technology Center Camac, Inc. Cambar Business Systems Inc Cambridge Systems Group, The Cammack Consulting Agency, Inc. Candla Cystems Group  Canadian M.S.P. Software Products Candle Corporation Cannon Computer Company  CAP Gemini, Inc. CAP-CPP Inc. Capcom Systems, Inc. Capco Inc Carpo Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Carro Inc Car	•	•	•						•		<b>5</b>		_
Calspan Corporation Advanced Technology Center Camac, Inc. Cambar Business Systems Inc Cambridge Systems Group, The Cammar Systems Group, The Cammar Systems Group  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Systems Group  Canada Gystems  Candle Corporation  Cannon Computer Company  CAP Gemini, Inc.  CAP-CPP Inc.  Capcom Systems, Inc.  Capcon Systems, Inc.  Capco Inc Carpo Inc Carar Corporation  CARDS Inc.  Cardware Inc.  Cardware Inc.				•									•
Camac, Inc.         ●           Cambridge Systems Group, The         ●           Cambridge Systems Group, The         ●           Camada Consulting Agency, Inc.         ●           Canadas Systems Group         ●           Canadian M.S.P. Software Products         ●           Candle Corporation         ●           Cannon Computer Company         ●           CAP Gemini, Inc.         ●           Capero Inc.         ●           Capro Inc         ●           Card Corporation         ●           Cardware Inc.         ●           Cardware Inc.         ●           Cardware Inc.         ●           Cardware Systems         ●			•									П	_
Camac, Inc.         ●           Cambridge Systems Group, The         ●           Cambridge Systems Group, The         ●           Camada Consulting Agency, Inc.         ●           Canadas Systems Group         ●           Canadian M.S.P. Software Products         ●           Candle Corporation         ●           Cannon Computer Company         ●           CAP Gemini, Inc.         ●           Capero Inc.         ●           Capro Inc         ●           Card Corporation         ●           Cardware Inc.         ●           Cardware Inc.         ●           Cardware Inc.         ●           Cardware Systems         ●		•				$\neg$							_
Cambridge Systems Group, The           Cammack Consulting Agency, Inc.         ●           Canada Systems Group         ●           Canada Cande Corporation         ●           Cannol Computer Company         ●           CAP Gemini, Inc.         CAP-CPP Inc.           Capcom Systems, Inc.         ●           Capro Inc         Care Corporation           CARD Inc.         ●           Cardware Inc.         ●           Card Computer Systems         ●	•		•			$\dashv$							_
Cammack Consulting Agency, Inc.         ●           Canada Systems Group         ●           Canadian M.S.P. Software Products         ●           Candie Corporation         ●           Cannon Computer Company         ●           CAP Gemini, Inc.         ●           CAP-CPP Inc.         ●           Capcom Systems, Inc.         ●           Capro Inc         ●           Carp Corporation         ●           CARDS Inc.         ●           Cardware Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●	•				$\neg$	$\neg$							_
Canada Systems Group         ●           Canadian M.S.P. Software Products         ■           Candle Corporation                     Cannon Computer Company         ●           CAP Gemini, Inc.         □           CAP-CPP Inc.         □           Capcom Systems, Inc.         ●           Capro Inc         □           Car Corporation         □           CARDS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●	•										П		_
Canada Systems Group         ●           Canadian M.S.P. Software Products         ■           Candle Corporation                     Cannon Computer Company         ●           CAP Gemini, Inc.         □           CAP-CPP Inc.         □           Capcom Systems, Inc.         ●           Capro Inc         □           Car Corporation         □           CARDS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●		•				•					-		_
Candle Corporation           Cannon Computer Company         ●           CAP Gemini, Inc.         ●           CAP-CPP Inc.         ●           Capcom Systems, Inc.         ●           Capro Inc         ●           Capro Inc         ●           CAR DS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●		•	•	•	•	-						•	_
Cannon Computer Company         ●           CAP Gemini, Inc.         ■           CAP-CPP Inc.         ■           Capcom Systems, Inc.         ●           Capro Inc         ■           Car Corporation         ■           CARDS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●	•					$\dashv$							_
CAP Gemini, Inc.  CAP-CPP Inc.  Capcom Systems, Inc.  Capcx  Capro Inc  Cara Corporation  CARDS Inc.  Cardware Inc.  Card Card Computer Systems	•				$\dashv$	$\neg$		$\neg$	Н				_
CAP-CPP Inc.  Capcom Systems, Inc.  Capex  Capro Inc  Carr Corporation  CARDS Inc.  CARDS Inc.  Cardware Inc.  Card Corporation  Cardware Inc.  Care Computer Systems	•				•	$\neg$							_
Capcom Systems, Inc.         ●           Capex         Capro Inc           Cara Corporation         ●           CARDS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●		•							П				_
Cape         Capro Inc           Cara Corporation         CARDS Inc.           Cardware Inc.         ●           Care Computer Systems         ●		•											_
Capro Inc           Cara Corporation           CARDS Inc.           Cardware Inc.           Care Computer Systems				•		_		$\neg$					_
Cara Corporation         ●           CARDS Inc.         ●           Cardware Inc.         ●           Care Computer Systems         ●	•		•			$\exists$							-
CARDS Inc.  Cardware Inc.  Care Computer Systems	•			$\neg$		_							_
Cardware Inc. Care Computer Systems	•	•				$\dashv$							
Care Computer Systems	•	•	•										_
					•		•						
Cara Information Contama Inc			•		•					•			
Career Systems													_
Career Systems Inc.				•		$\neg$					•		•
Carleton Corporation													
Carolina Business Computers Inc.			•										
Carta Associates Inc. Cash Management Systems, Inc.	•												

AMP COMPUTER SERVICES INDEX	(	SERV	PUTE	R	PRO	CESS 10DI	SING E	Pl	TY	SSIN PE	G	CON	MOT PUT	E
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Casper Processors Inc		-		È								П		Ī
Catallatics, Inc.		•	•					$\vdash$	-	•	•	Н	Н	H
Catalyst USA Inc	-	-		•			Ť			-	Ť			H
Chord Group Inc. (The)		•	•	•	•	•					-	•	•	-
Centennial Computer Services Inc.		•	Ť	•	•	-	•					F	•	ŀ
Center for Cobol Software, Inc.		•	•	•	•	-	-				-	•		r
Central Computing Company		F		-	-			•		_		Ė		ŀ
Central Credit		$\vdash$	-			Ť		Ė						ŀ
Central Data Processing Inc.		$\vdash$	$\vdash$			_						-		ŀ
Central Data Processing Inc.			$\vdash$			$\vdash$		-					_	ŀ
Central Systems Incorporated	-	•	$\vdash$	•								-	_	ŀ
Central Trust Company, The Computer Services Department		Ė	$\vdash$	$\vdash$	•	•				•		•		r
Century Analysis Inc.	-	-	•			-	$\vdash$	$\vdash$						r
Cerritos Computer Services				•			$\vdash$					Г		ľ
Chama Corporation		•	•	•	Т									İ
Champion Service Corporation	•		T		•						Т	•	Г	İ
Chang Laboratories Inc.	$\neg$	•						$\vdash$				Г		İ
Channel Systems International		•			$\vdash$		Т	$\vdash$						İ
Chapman & Associates	$\neg$	•	Т		Т			$\vdash$				Г	Г	İ
Charter Information Corp				•										Ī
Chase Econometrics/ Interactive Data Corporation		Т			•			•				•	•	Ī
Chase-TCMS	•				Т							Г		Ī
Cheltonian Inc				•								Г		Ī
Chemical Abstracts Services (CAS)		Τ			•							•		Ī
ChemShare Corp	•	•	П	•	•				•			•		Ī
Chi/Cor Information Management Inc		•												I
Chilton Corp	•		П	Г	•	•								I
CHIPS, Inc.	•	•	•	•		•								ı
Chubb & Son, Inc.	•	•												
Church Data Associates (CDA)	•	•	L			•		L				_		ļ
Cincom Systems Inc.		•	-	_					_				_	1
Circle Software Corporation		•	•				_				_			1
Citicorp		-			1	L				_	-	-	-	1
Citicorp Remote Computer Service - PG Data Center		_	_		•	•			-	•	•		-	1
Citidata, Inc.	•		-	-	-			-			-	-		+
Citishare Corp.	•				•	•					_	•		1

AMP COMPUTER SERVICES INDEX	(	SERV	OTE OTES	R	PRO	CESS MODE	ING	PI	ROCE TY	SSIN PE	G	CON	EMOT	TE FINO
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Citizens Automated Systems	•	•	•		•							П		_
Citizens Financial Corporation	•	-	-		•		_	-			Н	7	_	Н
Citizens National Bank Computer Services Division			-		-	•		Н	$\dashv$	•		Ě		Н
Claritas			$\vdash$		•	Ť	$\vdash$	Н		Ť	Ť	Н	Ť	e
Clay Bernard Systems International (CBSI)	Ť	$\vdash$		•	-	Н	-					Н		ř
Clayton Associates	+-	-		Ť	Н	Н		Н			Н	Н		H
Club Computers, Inc.			-	-	Н	-	-	Н	-		Н	Н	Н	H
Club Data Corporation	•		-		Н	Н	-	Н			Н	Н		H
Clyde Digital Systems, Inc.	1		-	-	Н	-		Н						
Coap Planning Company		•	•	•	•	•	•	-		•		Н	•	•
Coast Mailing Corporation	•	-	-	_	-	Ħ	-	Н	$\dashv$	_	-	-	_	-
Coastal Information Systems, Inc.	+	•	-	•	-	H	-				-	4		H
Cole, Carter L. Company	+	•		-	Н		-	-			-	Н		H
Collateral Services Inc.		_		Н	Н		$\dashv$	-	-			Н		-
Collier-Jackson & Associates, Inc.	+-	•	-	•	Н		-	-			-	Н		
Collins & Associates Inc.		•	-	Н	Н	-	-	-			-			
Colonial Mortgage Service Company	-	_	-	Н	•		-	-			-			H
Columbia Computing Services, Ltd.	-	•	-	Н	Н	•	-	-		•	•			-
Com Code Corporation	1-	•		Н	-	ч		$\vdash$	-	-	-			-
COM Services Inc.			-	Н	Н		-				-		_	-
Comarco, Inc.	•	•	-	Н	•	$\vdash$	-	-						
Comcheg Services Ltd	-	•	-	$\vdash$	-	-	$\dashv$	$\vdash$	-		$\dashv$		-	-
Comdata Network, Inc.	-			-	•		$\dashv$		-		-		_	-
Comm-Pro Associates	+		•		_		$\dashv$	-	-	-	$\vdash$	•		H
Command Control & Communications Corporation	+		=				$\dashv$	-	-	-			-	_
Commerce General Corp.	•		_		•	•	$\dashv$	•	-		$\dashv$		•	-
Commercial Bank & Trust Co., Computer Services Div.	-	•	_	$\vdash$	-	-	$\dashv$	-	$\dashv$		$\dashv$		-	_
Commercial Computer Services, Inc.	-		•	•	-		-	$\dashv$	-		-	-	_	-
Commercial Computer Services Inc.			_			•	$\dashv$	•	_		$\dashv$			_
Commercial Computer Systems	1					-	-	-			-		-	
Commercial Products Group	1			6			-	-	-					
Commercial Programming Services Inc				-			-	-	-		-			
Commercial Resources			-		•	•	-	-	-		-		-	
Commercial Software Inc.	1	•	•	•		-	$\dashv$	-	-	-	-			_
Commercial Systems Corp.		H	_	-		-	-	-	-				-	
Commercial Systems Inc.		_		$\dashv$	-	-	$\dashv$	-		-		-	-	_
Commercial Timesharing Inc	1	•		-		-	-	-	-		-			

CAMP COMPUTER SERVICES INDEX	(	SERV	UTE VICES	R	PRO	MOD	SING	P	ROCE TY	SSIN PE	(G	CON	EMO 1PU1	IN.
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Commercial Union Leasing Corp.	•	•			П	-		Т		Т		Н	_	Г
Commodity Information Services Company	-	Ť	-	-	•		Н	$\vdash$		_			_	•
Commonwealth Bank & Trust Co. Computer Services Division	-		-	-	Ť						-		-	f
Communication Software Aids	Ť	•	-	$\vdash$	Н		Н	$\vdash$	-		-	-	-	H
Communications Computer Services Inc		-			•	$\vdash$				-		Н	_	H
Communications Concepts	•			$\vdash$	•	-	-	Ť		_				H
Communications Processing Group Inc.	•	•	$\vdash$	•	-	-		-					-	H
Communications Solutions Inc.	-	-	•	_		-			-	-	$\vdash$	Н	_	H
Community Computer Corporation		-	-	-		-	Н	-		_		•	_	H
Comp Act Data Systems Inc.	+	•		$\vdash$	-		Н	-		_		-		H
Comp Info Inc.	+	•	•	•	Н		Н						_	H
Comp-Tron Inc.	•	-	-	-	•		Н	Н	•	$\vdash$		•	-	H
Comp-U-Staff Inc	Ť	$\vdash$	•	$\vdash$	Ť	Ť	Н		_	$\vdash$		Ť	_	H
Compal, Inc.	+	•	-	•		-	-							H
Compass Data Services		-	-	Ť	Н	•	Н		-		-	-		r
Compata, Inc.	Ť	•	•	$\vdash$	Н	Ť				$\vdash$		Н		H
Compeda Inc.	+	•	Ť	$\vdash$		$\vdash$				•	•		_	H
Complete Computer Systems	+	•	•	•	Н		Н			Ť	Ť	Н		H
Comprehensive Tax Systems	+	•	_	_	Н		Н							H
Comptek Research Inc.	+	۲	•	•	Н	$\vdash$	Н	$\vdash$		-		Н	_	H
Compu-Center Company Inc.	+	•	Ť	Ť			Н	$\vdash$		_				H
Compu-Link Corporation	•	-	$\vdash$		•						•	•	_	H
Compu-Share, Inc	•			•	•	Ť	Н	ř		-	Ť	•		H
Compu-Systems Corporation	+	•	_	-	Ť	$\vdash$		$\vdash$	-	_	$\vdash$	Ť	-	r
Compu-Tome, Inc	+					-	-	-	-	-	_	-	_	r
Compu/Think	+-	Ť	$\vdash$	•	$\vdash$	-	-	-		-	$\vdash$	$\vdash$	$\vdash$	H
Compucon		•	•	-										H
Compuline Data Systems	•	Ť	Ť		•	•	•							-
Compumatic Business Services	•				•	•		_				•	•	1
Compumax Associates Inc.	1	•												r
CompuServe Incorporated	•		-		•							•		
CompuServe Network Services	•													Г
CompuShop		•												Г
Computab Inc.	•		•		•	•								Γ
Computation Planning, Inc.		•	•											
Computech Financial Systems, Inc.	•	•				•		•						Г
Computek Computing Corporation				•		•								Γ

AMP COMPUTER SERVICES INDEX		OMP		R	PRO	CESS 10DE	iNG	PF	TY	SSIN PE	G	COM	MOT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Computer Accounting Systems Inc.	-					•						Н		_
Computer Accounting Systems inc.  Computer Aided Manufacturing- International, Inc (CAM-I)	Ť	•		-		Ť	-		_			$\vdash$		_
Computer Application Systems Inc.	+	•		•			-	-	$\vdash$	_		$\vdash$	-	-
Computer Applied Systems Inc.		-			-		$\vdash$	$\vdash$	$\vdash$			-	-	-
Computer Assistance International Inc.		-		_	-	-	$\vdash$	-	$\vdash$	-		$\vdash$	-	┢
Computer Associates International, Inc.,	<del>- ا</del>		-		$\vdash$			$\vdash$	-	-		$\vdash$		-
Computer Associates Inc.		•	+-						-					$\vdash$
Computer Associates Inc.	-	۳		-	۰		-	•		$\vdash$	-	-	_	H
Computer Associates Inc. Computer Automation, Inc. Naked Mini Division			۰	$\vdash$	$\vdash$	-	-	۲		-	-	-		H
Computer Bugs (The)	_		$\vdash$	-	$\vdash$	$\vdash$	-	$\vdash$	$\vdash$		-	-	-	H
Computer Center		Ť	$\vdash$	•	+-		-	$\vdash$			-	-	-	H
Computer Center Inc.				•	-	-	$\vdash$	-	-	-		-	-	H
Computer Center Inc. of Miami		-	-		$\vdash$		+-	$\vdash$		-	$\vdash$	$\vdash$		Н
Computer Company (The)	-	$\vdash$	-	-				-	$\vdash$	-	-		-	H
Computer Composition International		-	$\vdash$		۳	-	-	$\vdash$				۳	-	$\vdash$
Computer Concepts & Services Inc.	+	-		-	$\vdash$		$\vdash$	-	-		-	┼─		H
Computer Consoles, Inc.	+	$\vdash$	•		+	-	+	-	-	-		$\vdash$	-	H
Computer Consultants Company	•	-	-	-	+-		$\vdash$	+-	-	-		1		H
Computer Consultants Company  Computer Consultants, Ltd.	-					•		$\vdash$		-		•	-	H
Computer Controls Inc.	-	-	۳	-	۳	-	-	$\vdash$	-		$\vdash$	۳	-	$\vdash$
Computer Corporation of America, Inc.	-				$\vdash$	-	+-		-	-			-	╁
Computer Corral		•	-	+-	+	$\vdash$	+-	-	-	-		-		╁
Computer Covenant Corporation	+		╁	$\vdash$	+	$\vdash$	+	$\vdash$	$\vdash$	-	-	$\vdash$	$\vdash$	+
Computer Curriculum Corporation	+	۳	+		╁	+-	$\vdash$	$\vdash$	+	$\vdash$	$\vdash$	-	-	╁
Computer Data Access Inc. (CDA)		+	+	-	⊬	$\vdash$	$\vdash$	╀	⊢	-	-	-	-	╁
Computer Data Access Inc. (CDA)  Computer Data Processing Inc.		+		-	+		+		⊢			⊢	-	╁
Computer Data Processing Inc.  Computer Data Services	-	+	-	$\vdash$	-	•	$\vdash$	-	-			⊢	╀	╀
Computer Data Services Computer Data Services Inc.	-	+		$\vdash$		•	+	۳	-	-	-	⊢		╁
Computer Data Systems, Inc.	0	+	0	-	-	-	+-	-	-	-	-	-	-	╀
Computer Data Systems, Inc. Computer Delight		+-			-		$\vdash$		-	+-	-	-	-	+
Computer Designed Systems Inc.	-	-	-	•	-	-	-	1	-			-	$\vdash$	+
Computer Designed Systems Inc.	-			-	-		-	-						+
Computer Dynamics Inc.		-		+			-	-	-					
Computer Expertise, Inc.			-	-	1	-	-	+-	-	-	-	-	-	+
Computer Generation Inc.	-	-			1	-	-	+	-	-	-	-	-	+
Computer Horizons Corp.	+	-		•	-	+-	-	+	-	-	-	-		+
Computer Fronzons Corp.		1	10	10				•	-	-	-		-	+

CAMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	MODE	SING E	P	ROCI	PE PE	NG.	CON	EMO IPUT	П
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	The state of the state of
Computer Industries Corp					Н			Н		_				t
Computer Innovations		•							•		•		-	t
Computer Input Corporation		•	•	•	•	•		-	-	Ť		•		1
Computer Input Services, Inc			-	Ť		0		$\vdash$				Ť		i
Computer Interactions		Ť			Ė									t
Computer Laboratory Inc., The				•		•						$\vdash$	•	i
Computer Language Research					•	•		$\vdash$						t
Computer Management Corporation			1	•	•	•	_	_						t
Computer Management Dynamics, Inc		•												t
Computer Management Services					Г		•	Г						İ
Computer Mart of New Jersey, Inc.		•	•	•										İ
Computer Methods Inc.			$\vdash$											İ
Computer Network Corporation (COMNET)			•		•		•					•	•	İ
Computer Output Microfilm												П		1
Computer Packages Inc.	•					•								I
Computer Pathways Unlimited, Inc.		•												I
Computer Pictures				•				L						1
Computer Power Inc.	•		•		•	•						•	•	
Computer Prepared Accounts, Inc.	•	_		•		•		•						Ì
Computer Processing Company	•	_	•	-		•		•				_		1
Computer Professionals Unlimited, Inc.				•								$\perp$		4
Computer Professionals Inc.			•	•	_	_	L	L			$\vdash$	╙		-
Computer Research Inc.	•	_	_	_	•	_	_	_			_		_	
Computer Research Inc.		$\perp$	_	•	_	_		_			┡	L	_	
Computer Resources	•	•	<u> </u>	•	•	Ļ		Ļ	L	-	_	•	-	
Computer Resources		•	•	•	•	•		•	•	•	-	•	•	
Computer Resources Corporation	•	ļ.,	-	-	•	•	_	•	-	-	-	•	•	
Computer Resources of America								-	-	-			_	4
Computer Results		-			-	•					-			
Computer Sciences Corporation	•	-	•	•	•	•								
Computer Security Corporation			-		-									
Computer Service & Management Consultants Inc.		6	-		•									
Computer Service Consultants Inc.	•	+-	-		•	•		•			-	•		
Computer Service Corporation		_		-	-				-		-	-	-	
Computer Service Inc.	-				1	-		1	-	-		1		
Computer Services Associates Computer Services by Arens			-	-		-		-	-		-			
Computer Services by Arens			1	1	1	1	1	1	1	1	1	1	1	

CAMP COMPUTER SERVICES INDEX	1	SERV	UTE	R		CESS MODI		P	ROCE TY	SSIN PE	G	RI COM	EMO APUI	TE INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Computer Services Corporation	•	•		•							•	7	•	_
Computer Services, Inc.	•	-	_	_	•	•		-	-	-	Ť	_	-	-
Computer Sharing Corporation	-	-			-	Ť	-	-	Н	-	$\dashv$		-	Н
Computer Sharing Inc.	-	•		Ť	Н	•	Н	•	Н		=			Н
Computer Sharing Services Inc.		Ť	•			Ť		Ť						Н
Computer Software Designs	Ť	•	•	•	Ť	-		<del> </del>	Н				-	Н
Computer Software Development Company	+		•	-				-	-		-		-	Н
Computer Software Services Inc. (CSSI)	+	•	•	-		-	Н							Н
Computer Solutions	+	•	Ť	•	Н		Н	Н		-	-	-	-	-
Computer Solutions, Inc.	+	Ė		•	П		П	-			$\neg$		$\vdash$	
Computer Synergy, Inc.	+	•	•	•	П	_	_							_
Computer System Architects, Inc.	$\top$	•	•											
Computer System Programming for the Fashion World Inc.														
Computer Systems International Inc.	_	•												Т
Computer Systems Development, Inc.	+-		•											Г
Computer Systems Company Inc.		•	•	•	•	•	•	•						•
Computer Systems Consultants	$\top$	•												Т
Computer Systems Engineering				•										Т
Computer Systems Group, Inc	_			•	•	•	•				•	•	•	Т
Computer Task Group Inc.	•		•	•		•								
Computer Techniques		•	•											Т
Computer Technology	•										$\neg$			Т
Computer Time Services														
Computer Usage Corporation				•	•							•		Т
Computer Workshop of Kansas City, Inc.		•		•										
Computer-Ease Inc.		•												
Computer-Time Corporation	•				•		•	•	•		•	•		
Computer/Technology Consulting			•								T			
Computerecords Inc.	•			•		•								
Computeristics Micrographics	•													
Computeristics, Inc.		•		•										
Computerized Business Systems	•													
Computerized Management Decisions, Inc.	•	•	•	•		•		•						
Computerized Office Services, Inc		•												
Computerm Corporation			•	•										

Computerpower Corp Computers for Business, Inc.

CAMP COMPUTER SERVICES INDEX		S	OMP	UTE	R	PRO	MOD	SING E	P	ROCI	PE PE	NG	CO	EMO MPU	TE
SERVICI AVAILAB COMPANY NAME		PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Computers for Marketing Corp.	-	$\rightarrow$	•	•	•	•	•		-				•	•	t
Computersearch Corporation			-	_	ч	-	-		•		H		۳	•	⊬
Computervision Corporation	-	+	-		•		_				-		-	-	+
Computerwise, Inc.	-	+	$\dashv$	-	H		_	-	-		-	-	-	-	╀
Computing Productivity, Inc		+	•		=		_	-	⊢		-	-	-	-	H
Computone Systems Inc.	- 4		-	_	-	•	•	Н	⊢		-		•	-	H
Computoservice Inc.			-	•		H	-	Н	-		_	Н	-	•	H
Computrol, Inc.		-	•	_	-	H	-	Н	⊢		_	Н	-	-	H
Computron Technologi Company Inc.		_	•	•	-	Н	_	Н	-		-	Н		-	H
Computronic Systems Inc.	-		-	-	Н	-		Н			-	-	_	-	H
CompuVision		-	•	-	-	Н		Н	Н					_	H
Compuware Corporation		_	•	•	•	Н	_	Н	-		-	-		-	H
Comquest		_	•	-	-	-	-	-	H	-	-	-	-	_	H
COMSAT Digital Division		_	•	$\dashv$	-			Н		-					H
Comsen Inc.	- 4		-		$\neg$		_	-	-		Н		-	_	H
Comserv Corporation		_	•	•	$\dashv$	•	•	Н	-	-	Н			•	H
Comshare, Inc.			•	•	-		•	•	-	-	-	-	•	•	
Comspec Exploration				-	-	-	_	=	-	Н		H		_	H
Comtech Group International Ltd.			•	•	$\dashv$	$\vdash$	-	-			-	-	-	_	H
Comten Inc.		_	•	-	-			$\vdash$		Н	-	Н	-		H
Comtrol Corporation	- 4		-			$\vdash$	•	Н	-					-	H
Comtrol Inc.	-	-	•	•	-	$\vdash$	_	-	Н	-	_	=		-	H
Comtype Inc.	-	_	•	•	$\dashv$				-		-	$\vdash$	-	_	H
Comvestrix Corporation	- 4		-	-	$\dashv$	-	•		-	Н			-		H
Concap Computing Systems, Inc.		-	+		•	•	_			H		Н	•		H
Concept Systems, Inc.	-	+	$\dashv$		•	-		-		Н		-	_		H
Concord Computing Corporation	-		+		-	•	-	$\vdash$			•	•		-	١,
Condata, Inc.			•		$\dashv$		•	$\vdash$	•	Н	-	-		-	H
Condor Computer Corp.		+	-	-	•		_		_						H
Condor Corporation, The		-	•	•	•				-		-			-	+
Configuration Data Services Inc.		-	•	•	-				-						H
Congruent Systems, Inc.	-	-	_	•				•							H
Consco Enterprises Inc.		_	•	•											t
Conserv International		+			•								-		r
Consilium Associates, Inc		1	•												-
Consolidated Business Systems, Inc.	- 1		•	•		•	•	•			•	•		•	r
Consolidated Computer Services, Inc.		-	•					-			-	-			r

CAMP COMPUTER SERVICES INDEX	(	SER	PUTE	R	PRO N	CESS MODI	E E	P	ROCE	ESSIN PE	iG		MO'	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Consolidated Computer Corp	•					•						П		Г
Construction Computer Control Corporation			•		•	-				•	•	Н		Н
Construction Industry Computer	•	•	•			•				-	-	$\vdash$	_	$\vdash$
Construction Information Systems		•	•	•	•							•	_	_
Construction Management Systems						•				•	•		_	1
Construction Systems Software, Inc		•	•		•					_		•	_	
Consultants for Information Resource Management Inc.	+	•	•	•	-			-		-		Ť	_	Н
Consultec		1	•	•			•					-	_	$\vdash$
Consumer Merchandising Inc.		•	Ť	-		-	Ť	$\vdash$	Н		Н	Н		Н
ConTel Data Services Corp			•			-				_		-	_	-
ConTel Information Systems, Inc	Ť	•	•					-		-		Н		Н
Context Management Systems	+	•	Ė					-	Н			Н		-
Continental Computer Services, Inc.		•				-	Н		Н	-	Н	•		$\vdash$
Continental Data Processing, Inc.		1			•	•	-	$\vdash$	Н	-		•	_	$\vdash$
Continental Information Systems	Ť	•	$\vdash$	Н	Ť	Ť	Ť			-		ř	_	-
Continental Medical Systems	+	•	$\vdash$	•	-	$\vdash$	Н			$\vdash$	Н	Н	-	-
Continental Software	+-	•		_						$\vdash$		Н	-	-
Continuum Co., The		•	•			$\vdash$		$\vdash$		$\vdash$			_	-
Contract Services Associates	Ť	•	Ť	-	ŭ		-	$\vdash$	Н	$\vdash$			_	Н
Contract Software Consultants Inc,	+	•	-	$\vdash$	Н	Н			Н	$\vdash$			_	$\vdash$
Control Data Corporation		•	•	•	•	•	-		Н	-	Н		•	
Control Systems, Inc.	-	•	-	•	Ť				$\blacksquare$	-	-	_	_	-
Controls for Industry Inc.		-	$\vdash$	Ť	-	•		•		-				$\vdash$
Convey Associates	+-		•	-	Н	_		-				-	-	-
Convey Companies, Inc.	+	•	•		Н	Н		-	$\vdash$	Н	Н			$\vdash$
Cooper Data Systems Inc.	•	-	Ť	•	•			•		-			_	-
Cooperative Computing Inc.	-		-	H	ĭ	_	•	ř					_	$\vdash$
Coopers and Lybrand	+-		•	Н	Н		_		$\blacksquare$			-	_	
Corgill-Meyer and Associates	+-	•	Ť	Н	Н			Н		-			-	
Cornell Computer Corp.	•	•	•	Н	Н	•		•		-			-	-
Cornwell, Robert Associates	•	-	-			•		Ť			•			H
Corporate Data Systems	+	•												
Corporate Management Inc.	-	•	•	-	7			•				•		-
Corporate Systems		Ť	-			_		Ť				Ť		-
Corporate-TECH Planning, Inc	+	-	•											-
Corroon & Black Actuarial Services, Inc.		-	•									-		
Corstar Business Computing Company, Inc.	+	•	•				-	-		-			_	

CAMP COMPUTER SERVICES INDEX		COM	PUTE VICES	R	PRO	CESS 10DE	ING	PI	ROCE TY	SSIN PE	G		MOT PUT	
SERVIC AVAILAI COMPANY NAME	ES SUBSECTION	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Cortex Corporation					П				П			П		r
Corvus Systems Inc.		۲			-	-	-		Н			Н		H
Cost Savings Data Systems Inc.			•		•	•	-					•	•	H
Coverdale Associates, Inc.		+	•	-	Ť	ŭ	-	-	Н			Ť	Ĭ	H
Cox Data Services		+	Ť	•	•	•	-	-	Н			Н		t
Creative Management Systems Inc	•	•	•	Ť	Ť	Ť			Н			Н		t
Creative Output		•	Ť	-	Н	-			Н			-	-	t
Creative Socio-Medics Corp (CSM)		•	+	$\vdash$	Н	Н			Н	-	-	-		H
Creative Software Concepts Inc		•	$\vdash$	-	Н	-			Н	Н		Н		t
Creative Systems Group		Ť	•	-	•	•		•			•	•	•	t
Credit Bureau Inc. of Georgia		+-	Ť	-	Ť	Ť		_	Н		Ĭ	Ť	Ť	t
Crown Data Center		+	+	-	•	•			Н	Н	•	•		t
Ctrac Computer Services				•	-	ö			Н	Н	Ť	Ť		t
Ctrac Computer Services			1	•	-	-								t
CULLINET SOFTWARE Inc.			+	-	Н							Н		t
Cumberland Software Inc.			T		Н					П				t
Cunadata Corporation		+-		•	•	•				•	•	•		t
Curtis-Wright Computer Service		$^{+}$			•	•				•		•	•	t
Custom Application Systems, Inc.														t
Custom Computer Services			•	•	•	•		•		•		•	•	t
Custom Computer Services, Inc.			•	•	•	•								r
Custom Computing Systems, Inc.		$\top$		•										İ
Custom Engineering Inc.														İ
Custom Management Systems, Inc., Systems Division												Г		Ī
Custom Tailored Software Inc.														Ī
Cutler Williams Inc.			•	•										Ī
Cyberned Corporation		Т	•	•	•	•	•	•				•		Ť
CYBERNET	•	Т		•	•			•	•	•	•	•	•	T
Cybernetics and Systems Inc.	•		•	•	•	•	•	•			•	•		I
Cybernetics Inc.			•	•										ĺ
Cybernetics System International Corp	•	+-	-											1
Cybershare Ltd			-		•	•	•					•	•	1
Cybertek Computer Products, Inc.	•	+-	+	•										1
Cybertronics Inc.	•	-	+-											1
Cyborg Systems, Inc.		•						_						1
Cycare Systems, Inc.	•	-	_	•	•			_			•	•		1
Cyex Systems Corp.														1

CAMP COMPUTER SERVICES INDEX	'	SER	PUTE VICE:	R S	PRO	MOD	SING E	P	ROCI TY		iG		EMO IPU	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Cyma Corp	+	•	H	$\vdash$	$\vdash$		-	$\vdash$			Н	$\vdash$		H
D.E.S. Inc.		-	⊢	-	H	•	$\vdash$	$\vdash$	-	-	H	-	-	$\vdash$
D.T.S.S., Inc.	-	•		-	Н	-	┢		-	-	H	•	-	$\vdash$
D-NET	- -	•	Ť	$\vdash$		-	-	$\vdash$	-		-	-		⊢
DBA Systems, Inc.	+		•	•	⊢			$\vdash$	-	$\vdash$		⊢	-	┝
DBMS, Inc.			•		$\vdash$	-		$\vdash$	-	Н	•	-	$\vdash$	┝
DCD Company	- -	•	-			-		⊢	-	Н	-	-		H
DDP Systems, Inc.	-	•	┢	•	⊢	-		-		Н		$\vdash$		-
DNA Systems, Inc.	-	•	+-		$\vdash$	-		├	-			$\vdash$	-	-
DPC Corporation	-	-	-		$\vdash$	•	•	⊢	H	-	Н	<u> </u>	-	H
DPS Inc.	-	•	•	•	•	•	-	•	-	-	•	•	•	$\vdash$
DPX Inc.		•	•	-	-	-	-	-	-	_	_	-	-	$\vdash$
DSI-Data Spectrum Inc.		•	•			•	_	$\vdash$	-			-	H	┝
DSI, Inc.	-	•	•	•	-	-	-	Н	-				$\vdash$	-
DST, Inc.		-	-		-		-	H	-		$\vdash$	<del> </del>		-
DYX Corporation		•	•	Н	-	-	-	$\vdash$				H	_	-
Da-Tronics, Inc.	•	-	-	•	•	•		$\vdash$	_			H	<u> </u>	-
Dabco Computer Services	-			-	•	-		•	_		•			-
Dagar Enterprises		•	-	•	-	$\vdash$		Н	-		_	-	_	H
Dakin5 Corporation	+	•	$\vdash$	-	-	H		H	_	-		_	_	
Dalgety, Inc.		-	•		•	H		-	_			_	_	$\vdash$
Daly & Wolcott Inc.		•	•		-	-						▣	_	L
Damas Inc.	_	•	-	$\vdash$	-	-								
Dapsco, Inc	_	•	-		-	H								L
Dartmouth College		-				Н		_		_				-
DASD Corporation	-	•	•	-	-	_							_	•
Dash Group, Inc	-	•	-		-		-						_	
Data Access Corporation	-	•											_	
Data Architects Systems Inc.	-	•	•		-		-			-				_
Data Base Logic Inc.	-	•	•				-					_		
Data Base Management, Inc.	-	•	•	•										
Data Basics Corp.	-	•	•	H										
Data Belt Corporation		-	•	H	•									
Data Capital	1	-	-	H	=	_		_		_	•	•		-
Data Communications Corporation	•	•		片	•				-					-
Data Companies (The), Inc.	-			片	-				-	_		▣	_	
companies ( i no), inc.														

CAMP COMPUTER SERVICES INDEX	·	SERV	TCES	R		ODE		P	ROCE	PE PE	G	CON	MO'	TE CI
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	20121212
Data Computer Center Inc.		•		Т		•		•			Н	Н	$\vdash$	t
Data Concepts	+-	•		•	$\vdash$	Ť	Н	ř	$\vdash$		Н	-	_	H
Data Concepts Inc	+	-			-			$\vdash$	-		-	Н	-	H
Data Consultants Inc.		•	-	_	-	•	-	-	-	-	-	H	_	ł
Data Consulting Associates Inc.	-	•	•	_	$\vdash$			-	-		Н	Н	-	ł
Data Corp of Virginia, Inc.	-	-	-	-	•	•		-	-		Н	Н	_	ł
Data Courier, Inc.	-			_	-		-	•			Н	Н	_	ł
Data Design Associates, Inc.	+	•					Н	-	_		H	H		ł
Data Design Associates, Inc.  Data Development Inc.	•	•	-	•	•	•	Н	•	-			-	-	ł
Data Directions, Inc.		•		-	-	_	Н	۳				H	$\vdash$	ł
Data Factory, Inc.		•	-	_			Н	⊢					-	ł
Data Financial Systems Inc.	+	-		•	-		-	Н				ř	-	ł
Data Flow Inc.		$\vdash$		_	$\vdash$	•		⊢				⊢		ł
Data General Corporation	+	•		_	$\vdash$	_		$\vdash$				⊢	-	t
Data Inc.		Ť	-	•	$\vdash$	•	$\vdash$	•	-	-	_	$\vdash$	$\vdash$	t
Data Inc.	•	-	$\vdash$	Ť	$\vdash$	_	$\vdash$	۰		$\vdash$		$\vdash$		t
Data Index Incorporated	۲	•			┢	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-		-	-	t
Data Information Science Center	•	-	-	•		•	$\vdash$				-	$\vdash$	-	t
Data Input Services Corp.	•	-		Ť	$\vdash$	_		$\vdash$		$\vdash$		$\vdash$	-	t
Data Law Company	۲		-	-	-			$\vdash$			Н	$\vdash$	$\vdash$	t
Data Line Service Company		-	-	-	•		-	$\vdash$		•	•		$\vdash$	t
Data Management Group	+-			Н	Ť		-	-	-	Ť	Ť	F	-	t
Data Management Inc.		Ť			$\vdash$	•	-	┢	-			-	-	t
Data Management Inc.		•	•	•	•			-				Н	-	t
Data Management Services Inc.		-		-	1		$\vdash$	_	_	_		$\vdash$		1
Data Marc Inc	+				$\vdash$		$\vdash$	+-	_	_		_		1
Data Prep Corporation		$\vdash$												i
Data Probe Inc.		$^{\dagger}$			$\vdash$	•		1						1
Data Processing & Accounting Services		$\vdash$				•								1
Data Processing Business Systems					•	•								1
Data Processing Center Inc.					•	•								1
Data Processing Consultants		•	•	•										1
Data Processing Design, Inc.		•	•	•										
Data Processing Enterprises	•				•	•						•	•	Ī
Data Processing of the South Inc.					•	•		•			•	•	•	1
Data Processing Security, Inc.			•	•										J
Data Processing Services			•											1

AMP COMPUTER SERVICES INDEX	(	SER	PUTE	R	PRO N	CESS 10DF	ING	PE	TY	SSIN PE	G	COM	MOT	INC
SER AVAI COMPANY NAME	VICES LABLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Data Processing Services Inc.		•	•					П		_				
Data Processing Services Inc.		Ť	Ť		•	•						П	-	Н
Data Processing Services of Findlay		_	1		•	•						•	_	Т
Data Processors Inc.			1	•		•								Г
Data Resources, Inc.	•	$\vdash$	•		•		Т					•	$\overline{}$	Г
Data Retrieval Corp		Т		•										Г
Data Science Corporation	•				Г	•								
Data Services Corporation		$\vdash$		•		•						•		Г
Data Solutions Inc.		T		•	$\vdash$			Г		Г				Г
Data Structures, Inc.						Г							Г	Г
Data Systems Analysts, Inc.		†			$\vdash$									Т
Data Systems Consultants	•	$\vdash$	•	•	$\vdash$	•								Т
Data Systems Consulting Corporation			_	1										
Data Systems Corporation	•	T	T	Т	•					•	•	•		
Data Systems for Industry				•										Т
Data Systems of Arizona				•										
Data Systems of Baton Rouge				•			_							
Data Systems of California	•				•	•						Г	•	T
Data Systems, Inc.	•					•								1
Data Systems, Inc.	•	Т	1											
Data Systems, Inc.	•		$\top$	Т	1									T
Data Tabulating Corporation	•				Т	•		Г	Т		Т			
Data Technical Analysts					$\vdash$		-							Τ
Data Train, Inc.				_	1									Τ
Data Universal Corp.	•	T			Г	•		1			Г	Г		Τ
Data 1 Associates	•			Т		•		Г				Г		Т
Data 21					Г							П		Г
Data 3 Systems	•	L												
Data-Mate Inc											-			Г
Data-Pack Inc.	•			•	•	•								
Data-Power	•	•			•	•						•		
Data-Tax, Inc.														
Data-Tek Corporation	•		•	•	•	•						•		
Data-Tronics Corporation	•				•	•						•	•	Γ
Databank			•											
Database Design Incorporated														

AMP COMPUTER SERVICES INDEX	(	SERV	TCES	R		CESS		PI	ROCE TY	SSIN PE	G		MOT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Datability Software Systems	<del>-  -</del>	•	_											Т
Datacare Inc.	_	•					-	-						Н
Datachron Corporation	_		-	-		-		$\vdash$				-	-	-
Dataco Computer Services			•		Н	Н	-	-				Н		H
Dataco, Inc.		-	_	$\vdash$		•	-				-	-		r
Datacom Systems Corporation		-		-		•				Н		-	•	H
Datacor Services Inc.			Ť	$\vdash$		-		Ť			-		•	H
Datacrown Inc.		-	•	$\vdash$	۲			$\vdash$		$\vdash$	-	-	Ť	H
Datafast Inc.		-	Ť		$\vdash$	•	-	-				$\vdash$	-	H
Dataflow Systems, Inc.		-			$\vdash$	Ť	$\vdash$			$\vdash$	-	-	-	H
Datagraphic Computer Services, Inc.				-	$\vdash$	•	-	-		$\vdash$	$\vdash$	-	-	H
Dataguard Corporation		•	Ť	-	$\vdash$	-	_	$\vdash$				┢	-	H
Datair Systems Corporation	-	Ť		-			-	$\vdash$			-	$\vdash$		H
Datalex Company	_		Ť	$\vdash$	$\vdash$	-		$\vdash$			+-	$\vdash$	-	H
Datalift Corporation		۲	-			$\vdash$	•			_		1	-	H
Dataline Corporation		+	-		Ť		-	Ť	$\vdash$		Ť			t
Dataline Systems Ltd.		$\vdash$		F										t
Datalink Systems Inc.			-			-	-				-			t
Dataman Corporation	- 1		-	$\vdash$	ř			1	-		-	1	Ť	t
Datamap, Inc.		-	$\vdash$	-	$\vdash$			1	$\vdash$		+	$\vdash$		t
Datamate Company, Inc			-	$\vdash$	$\vdash$	-		1			$\vdash$	$\vdash$		t
Datamatic			•	-			$\vdash$	$\vdash$			$\vdash$	1		t
Datamatics Inc.		Ť		1	$\vdash$	$\vdash$	-	$\vdash$	$\vdash$		$\vdash$	$\vdash$		t
Datamatics Management Services	-				$\vdash$	$\vdash$	1	$\vdash$		-		$\vdash$		t
Datamation Inc.		+	-			•		_		T	_	$^{\dagger}$		t
DataMed Systems Corporation	-	+			Ė		$\vdash$	+	$\vdash$			$\vdash$	$\vdash$	t
Datamedix	_	+	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$		T		$\vdash$		t
Datamor		+						$\vdash$	_					t
Datanetics											1			t
Datanex, Inc.						•								T
Dataplex Company														T
Datatab Chicago Inc.														T
Datatab Inc.						•						•	•	T
Datatel Inc.											•	•		T
Datatend, Inc														T
Datatronic Systems Corporation Computer Sciences Div.														Ť
Dataware, Inc.				1	1		1	1	1	1	1	1		T

CAMP COMPUTER SERVICES INDEX		SER	PUTE VICES	R	PRO	CESS	ING E	PI	ROCE TY	SSIN PE	iG	RI CON	EMO 1PUT	TE ING
SERVICE AVAILABI COMPANY NAME	FROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Dataword, AMI		•		•				П						
Datex Inc	-		$\vdash$	Ť	-	-	-	H	_	-				-
Datran Corporation		-	•		$\vdash$			$\vdash$	_		Н	-	$\vdash$	-
Datronic Systems, Inc.			Ť		$\vdash$					$\vdash$		Н		
Datronics, Inc		Ť	•		$\vdash$					-		$\vdash$	$\vdash$	
Davidson Software Systems			•	•	$\vdash$	•	-	-	-	-		_		
Dawson Geophysical Company		Ť	Ť	Ť	-	-			_	$\vdash$	-		-	
Daxco	- 1	$\vdash$	$\vdash$	•	$\vdash$	$\vdash$		Н		Н	Н	Н		
Day & Zimmerman				•	-	-		-		-	-	-	-	-
De Anza Systems, Inc.		•	-	Ť	-	_		Н		$\vdash$				Н
Dealer Services Corp.			$\vdash$		$\vdash$			Н		-		-	-	$\vdash$
DeBugge Computer Services Inc.		•	•	•	$\vdash$	-		Н		-		$\vdash$		
Decimus Corporation		Ť	Ť	Ė	-	•	•						•	
Decision Concepts, Inc.		•			_		-	Н					-	
Decision Focus Inc.	•	•	•	•	•			П				•	•	
Decision Graphics				•	Т			П						
Decision Products Services, Inc	•		•		•	•					_	•	•	_
Decision Resources, Inc		•			Г									
Decision Science Inc.			•			_								
Decision Sciences Corporation		•	•	•										
Decision Systems, Inc.			•		•	•		_			•		•	
Decisions Development, Inc.		•	•					•				•		
Del Bron Inc				•										Т
Del Rey Systems, Inc.		Г	•	•										
Del-Data Computer Services		•		•	•	•							•	
Deloitte Haskins & Sells			•											
Delphi Data Systems, Inc.		•	•	•										
Delphi Systems Inc.	•	•	•	•	•							•	•	
Delta Computer Systems				•										
Densichron Division				•										
Denver Processing Center, Inc	•													
Denver Software Company, The		•												
Desa, Inc.	•					•								
Desert Data Centers Inc.	•	L	-			•								
Design Aids, Inc. Designers & Builders of Information Systems		•												

CAMP COMPUTER SERVICES INDEX	•	SERV	UTE /ICES	R	PRO	CESS	SING E	P	ROCE	SSIN PE	G	CON	EMO IPUT	IN.
SERVIC AVAILAD COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Development Systems International		•	•	•										Г
Dewar Information Systems Corporation				_	Н	-	-	$\vdash$	-	-		$\vdash$		H
Dexel Systems Corporation		•	•	•		-	-	-	-			$\vdash$		Н
Dial Computer Systems Corporation		۲	•	_	•	$\vdash$		$\vdash$	-	-	-	•	$\vdash$	H
Dial Tyme	•	+	-	_	•	•	-		-	-	-	-	•	H
Dial, D.H. & Company					Ť	Ť		Ť				$\vdash$	Ť	H
Dialcom Inc.		Ť		_	•	•		$\vdash$	$\vdash$			$\vdash$		H
Dialog Information Services, Inc.		-	-	-	-	۲	-	┢	-	$\vdash$	$\vdash$	$\vdash$		H
Dickerman Associates Inc.		•	-	-		-	-	⊢	-	-	-	$\vdash$		H
Digicomp Research Corp.		Ť	-	•	-	$\vdash$	$\vdash$	$\vdash$	-	-	-	┢		r
Digicon Inc.		•	$\vdash$	•	Н	•	•	$\vdash$		$\vdash$	•	-	-	H
Digidat Systems Inc.		Ť	$\vdash$	Ť		-	Ť	H			Ť	$\vdash$		t
Digital Business Systems, Inc.		•	$\vdash$	•		$\vdash$		$\vdash$	-	-		$\vdash$		H
Digital Datacom Inc.		+-	$\vdash$	•				1						t
Digital Equipment Corporation			•	•								$\vdash$		t
Digital Information Systems Corp. (DISC)			Ė				$\vdash$					$\vdash$		t
Digital Microsystems							$\vdash$	T						t
Digital Research Inc.	•		1					$\vdash$						t
Digital Resources Corporation	•	$\vdash$		•		•		$\vdash$		•	•		-	t
Digital Solutions Inc.				•	$\vdash$	•	$\vdash$	$\vdash$	_		<u> </u>			r
Digital Systems of Florida, Inc.			1				_	┢		_		_	$\vdash$	t
Digital Systems Inc.		1		•			$\vdash$	⇈		_				t
Digitech Systems					•	•		$\vdash$					•	t
Digitgraph Computers Systems Co					$\vdash$	1		T						t
Dimension Systems Corp			Т	•			$\vdash$							T
DIMIS, Inc.		Т	Т	•							$\vdash$		1	t
Direct Merchandising Services											Τ			t
Directions Inc								Г					T	Γ
DISC, Inc.		•												I
Dispersed Software Systems, Inc. (DSS)		•												I
Display Data Corp				•				L						1
Distributed Systems Corp.		•	•	•										1
Distribution Management Systems Inc.				•										1
Distribution Sciences Inc.		_	•	•	•	•								1
Diversified Computer Systems		•		•							-			1
Diversified Data Resources, Inc.														1
Diversified Data Systems Inc.					1									1

CAMP COMPUTER SERVICES INDEX	'	SER	PUTE VICES	R	PRO	CESS	SING E	P	ROCE TY	SSIN PE	iG.	COM	MO PUI	LE LINC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Documan Software	_	•			Н					_				Н
DOSE Pharmacy Systems	_		-	•	-	_	_	$\vdash$					-	$\vdash$
Dow Jones & Company Inc.		-	-	-	-	-	$\vdash$	$\vdash$						H
Dow Jones Information Services	-		-	•	-	$\vdash$	$\vdash$	$\vdash$		_	Н			┢
Dow Jones News/Retrieval Service		Ť	$\vdash$	Ť	•	-	$\vdash$	$\vdash$		_				
Doyle Data Systems, Inc.	+		$\vdash$	•	Ť		$\vdash$	$\vdash$					_	H
Drafting Dynamics	_	ļ-	+-		$\vdash$	Н	-	$\vdash$			-	-	_	Н
Dubuque Data Services			$\vdash$		•	•		$\vdash$				Н	•	-
Dun and Bradstreet	•	•	$\vdash$	Ť	•	•		$\vdash$		_	-	•	Ť	$\vdash$
Duquesne Systems Inc.	+	•			Ť	-	-	-				-	-	┝
Dvorkovitz, Dr. & Associates		Ť	Ť	$\vdash$	•	-	-	-				Н	-	-
DYATRON Corporation	•	•	•		•	•	-	-				•	•	r
Dyer, Wells & Associates		Ť	Ť	•	-	Ŭ	-	-			$\vdash$	Ť	ř	ľ
Dylakor Software Systems Inc.	Ť			Ť	$\vdash$	-	-	$\vdash$		_	$\vdash$	┢	-	-
Dynamco Data Systems	_		$\vdash$	$\vdash$	-	$\vdash$		$\vdash$			$\vdash$	-	-	1
Dynamic Concepts, Inc.	_		$\vdash$	$\vdash$	-	$\vdash$		$\vdash$		_		$\vdash$	-	-
Dynamic Control Corporation			+	-	-					-		-	$\vdash$	H
Dynamic Data Processing Inc.				•	•			$\vdash$	•		-	•	•	H
Dynamic Microprocessor Associates, Inc	+-	•	Ť	Ť	Ť	Ť	Ť	-	Ť	Ť	$\vdash$	-	Ť	+
Dynamic Solutions, Inc.		•	+-	•	$\vdash$	-	-	-			-	-	$\vdash$	H
Dynamics Research Corporation	-	-		-	$\vdash$	_	-	$\vdash$		_	-	$\vdash$	$\vdash$	H
EBS Data Processing Inc.			Ť	•	•		$\vdash$	$\vdash$		-	-	•	•	H
EDP Corporation, The			$\vdash$	-	Ť	Ť		-		_		Ť	H	1
EDP Design Consultants, Inc.		•		-	_			$\vdash$	-	_		$\vdash$	_	H
EDP Management, Inc.		•	•	$\vdash$	$\vdash$	-		$\vdash$			-	$\vdash$	$\vdash$	H
EDP of America, Inc.			Ť	•		$\vdash$	-	_				┢	-	$\vdash$
EDP Services Company Inc.		1		-	$\vdash$	•				_		$\vdash$	•	1
EEC Systems		•		•	_						_			1
EECO	$\top$			•	Н		_					$\vdash$		t
EECO Computer Inc			1	•										1
EFT Data Services, Inc.	•				•					•	•	•	•	1
EMA, Inc		•												$\vdash$
EPS Consultants		•	•											
EPS Consultants Inc.		•	•											T
ERG Software, Inc.		•												
ESE, Inc.	•										-			
ESI					•	_				_			-	+

AMP COMPUTER SERVICES INDEX			TCES			CESS 40DI		P	ROCE		IG		EMOT APUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
ESP Computer Services Inc.			•	•	•	•		•				•		1
Evaluation Planning Systems International, Inc (EPS)	1	•	•			Ť		Ť		_		Ť	$\vdash$	۲
Eagle Computing Corporation		-	-	-		•				•	•			-
Eastern Airlines, Inc.	•					Ť	-	-		_		$\vdash$	-	H
Eaton-Kenway, Inc.	1			•		$\vdash$		-		_		$\vdash$		+
ECCO Consulting Incorporated	+		•	_		$\vdash$		┢		_		$\vdash$	_	t
ECOM Associates, Inc	+	•	Ť			$\vdash$		$\vdash$			Н	$\vdash$		t
Economic Information Systems Inc		-	$\vdash$			$\vdash$	-	-	_	_		$\vdash$		t
Economic Sciences Corporation	1	•	•	•	$\vdash$		-	•	-	_	Н	$\vdash$	-	t
EDU-Ware Services, Inc	+-	•	•	-	$\vdash$	$\vdash$	-	Ť		_	Н	-		t
Educational Methods, Inc		•	•	-	•	$\vdash$	-	-		_		$\vdash$		t
Effective Software Products	Ť		Ť	-	Ť	$\vdash$	-	$\vdash$			Н	H	-	t
Election Computer Services Inc.		-	-			•	_	$\vdash$		•	•	Н	-	t
Electro Scientific	+		•			Ė	-			Ė	-	$\vdash$		t
Electrocon International, Inc.	+	•	•	•	$\vdash$			-	_	-	_	$\vdash$		t
Electron Information Systems					•	•				-		$\vdash$		t
Electronic Banking Systems	+	_		-	<u> </u>	Ė	_	_		_		_		t
Electronic Business Services			-	-	1	•		•				-		t
Electronic Calculus Inc.		•	-		$\vdash$	$\vdash$				_		$\vdash$		t
Electronic Data Systems Corporation			•	•	$^{\dagger}$							Т		t
Electronic Office Software		•											T	t
Electronic Systems Inc.		•				•		•	$\vdash$			•		t
Electronic Tabulating Corporation		1	$\vdash$	•	•	•		$\vdash$				•	$\vdash$	t
Electronic Tabulating Service Inc.			$\vdash$		•	•		•			Г	•	1	t
Elke Corporation			•	•										Ť
Embassy Institute, The					$\vdash$	$\Box$	Г	$\vdash$						Ť
Empire Cybernetic Associates						•		•				Г	Т	Ť
Employee Communication Services Inc.		•				•						П	Г	T
Encomp Systems, Limited		•	•		Γ		Γ							Ι
Energy Analysts Inc	•													I
Energy Enterprises of Denver, Inc.	•				•									I
Energy Management Associates		•	•									L		1
Energy-Tek Software		•												1
Enertec Inc.	•	•								•				1
					1			1	1					I
Engineering Interface Ltd. Engineering Software Systems	-	•	•	_	_	_	-	-	1	-	-	-	-	-

CAMP COMPUTER SERVICES INDEX		SEF	IPUTE RVICES	R	PRO	OCESS	SING E	P	ROCE TY	SSIN PE	iG	CON	MO'	TE INC
SERVICI AVAILAB COMPANY NAME	FROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Engineering Systems Research Co. (ESR)		•	•	•	$\vdash$							Г	-	T
Enterprise Computer Systems		•	1	-	-			$\vdash$	$\vdash$	$\vdash$		$\vdash$	_	-
Enterprise Technology Corp.		•			┢	_		-				$\vdash$		
Epic Computer Products Inc				•	1						_	-	-	-
Epsilon Data Management, Inc.		$^{\dagger}$			•	•				•	•		$\vdash$	•
Equifax Inc.		+	+	•	•	•		$\vdash$	_	_		•		
Equifax Services Inc.		$^{\dagger}$						_	_			Ė		
Equitable Trust Bank		+			✝	_							-	-
ERCO		+	1		•		-	_		•	•	$\vdash$	-	-
Erisco Inc.	- 0				•	•	_	_		-	-		-	-
Ernst & Whinney					1	-		$\vdash$		$\vdash$		Ť	_	-
Escom, Inc.			•	•			$\vdash$	$\vdash$		$\vdash$	$\vdash$	•		-
Essential Software				Ė	F	_				$\vdash$	-	-	_	Н
Evans & Sutherland			,		1			_	-	-	_	$\vdash$	$\vdash$	H
Evans, Griffiths & Hart, Inc.				_	$^{\dagger}$			-				$\vdash$		-
Evansville Data Processing Corporation						•	•	-				•	•	-
Evergreen Geophysical Associates Inc		Ť	1	-	-	-	-	_		$\vdash$	_	Ť	Ť	Н
Exchange Service Management Corporation		$^{+}$			$\vdash$		$\vdash$	$\vdash$		_	_			Н
Execucom Systems Corporation		•			$\vdash$	$\vdash$					-			
Executax, Inc.		+	+		$\vdash$							-		Н
Executec Corporation			)				-		$\vdash$	$\vdash$	_	-	-	Н
Executive Compumetrics					$\vdash$	_	$\vdash$	$\vdash$		$\vdash$	$\vdash$	_	-	Н
Executive Systems, Inc.			1		•		_				-	$\vdash$		Н
Executive Technology Data Systems (ETDS)					Ė	-	-			$\vdash$	-	_		Н
Exploration Processing Corp		$^{\dagger}$			$\vdash$							$\vdash$	-	$\vdash$
Explorer Seismic Services		T	+-		$\vdash$				_			$\vdash$	-	-
Express Software		$^{\dagger}$	+		1			-		$\vdash$	_	Н		Н
F.A.C.S.		$^{\dagger}$			•			Н	_		$\vdash$	•	-	
FBM Systems Inc.								$\vdash$			_	H		-
FMG Corporation		•										-		
FTW Associates, Inc.		•												
Facilities Management Services		•			1									-
Factory Systems		•				-								
Fair, Isaac Companies		T	•									-		
Fairfield Data Processing	•	1			-			-						-
Fannin Bank		T				•		•				-		
Federal Data Corp				•								_		-

AMP COMPUTER SERVICES INDEX	(	SERV	UTE ICES	2	PRO	CESS 10DI	ING	P	TY	SSIN PE	G	CON	MO1	E
SERVICES AVAILABLI COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	D. T. T. D. C.
Federal Electric Corporation		-	•		$\vdash$			H				Г		ŀ
Federal Equity Evaluation			Ť			•	-	$\vdash$	Н	•	•	$\vdash$	-	H
Fein-Marquart Associates Inc.	-	-	•	-		Ť		-		_	-		-	ŀ
Ferox Microsystems, Inc.		•	•											t
Fidelity Union Bancorporation		Ť	Ť	_	-	•	-	•						t
Fidler Bateman	•			•	-	-								t
Fiduciary Processing, Inc.		$\vdash$		Ť	Н			-	_	•	•	1	$\vdash$	t
Fields Financial Services Inc		Н	$\vdash$	-	$\vdash$	Ė			_	Ė	_	$\vdash$		t
Figgie Systems Management Group				•		•		$\vdash$				-	$\vdash$	t
Financial Accounting Services, Inc.		+	-	•	1	•	1					1		t
Financial Decisions Systems, Inc.			1		•	•		$\vdash$				•	•	t
Financial Industry Consultants Inc.			_					•						İ
Financial Interstate Services					•	•		T						İ
Financial Management Associate			T-		Г	Т						Г		İ
Financial Network Architects, Inc.		•		•										İ
Financial Services, Inc.		Т				•					•	•		Ī
Financial Software of America							Г							I
Financial Statistics, Inc.				•	Г							Г		I
Financial Systems Consultants							Г							I
Financial Technology Inc.		•			Г	•				•	•			I
Finar Systems Limited					Г		Г							
Finsery Computer Corporation						•							_	1
Fireman's Fund Insurance Co.	•	T			•	•			L			_		1
First City Services Company	•				•	•		L	_	•	•		•	1
First Computer Corp.				•	L	L	_	L	_		ļ.,	L		1
First Computer Corporation	•	╙	_	L		•	_	L		L	╙		$\perp$	4
First Computer Services, Inc	•		_	_	_	╙	_	1	$\perp$	_	╄	_	-	4
First Data Management Company	•	-	-		-		1	$\vdash$	-	-	-	-	-	
First Data Resources, Inc.	•		-	-	-	-	•	-		-	-	-	-	
First National Bank of Anchorage, The	•	-			-	•	-		-	-	-	-	-	4
First National Corporation of Appleton	•	-	-	-	-		-	-	-	+	-	+	-	
First Systems Corp	-	•	-		-			+	-			+	+	
First Washington Corp	•	-	+	-		-	-		-	•	+-	_	-	
First Wisconsin National Bank of Milwaukee	•	+		+	1	-	-	-	+	-	-	-	+	
Fischer & Porter Fits System Inc.	-	+		-	+	+	+-	+	+	-	+	-	-	
					1					1		1_		J

CAMP COMPUTER SERVICES INDEX	(	SERV	UTE ICES	R	PRO	CESS	ING	PI	ROCE TY	SSIN PE	G	CON	EMO IPUT	Œ INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Flores Associates	$\top$		•					П				_		Г
Florida Associated Services		•	-	-	•	•	-	-	-	Н		•	$\vdash$	Н
Florida Computer Inc.		•	•	•	•	×	•	Н	-	-	-	•	$\vdash$	H
Foothill Associates	Ť	•	_	_	-		Ť	Н	-	-		ŭ		-
Ford & Associates, Inc		•	•	-	-	•		Н	-	-			$\vdash$	Н
Foresight, Inc.	+-	•	•			_		-	-			_		Н
Forest Computer Inc	-	•	-	-		-		Н	-	-		_	-	-
Foretax	-	-	-					Н	-	-		_	-	Н
Formula Consultants, Inc.	-	•	•					Н		-	Н	_	-	Н
FORTH. Inc.	+	•	•	•		_		Н				_	_	Н
Four-Way Systems		-	-	•	•	•		-	_		_	_	_	Н
Fox & Geller Associates	-	•	-		-	_		Н	-		_	•	•	$\vdash$
Frankel Engineering Laboratories, Inc.	•	-	•	⊢	•				•			_		$\vdash$
Frey Federal Systems Corporation	-	-	•	-	•			ч	-			•		H
Frey, Donald R & Co	+-	_		-					-	-				$\vdash$
Freyburg Systems Associates Inc.	+-	•	•	-				Н		-		_		$\vdash$
Friends Software	+-	•	_	-		_			_			_		Н
Friesen International, Inc.		_		_	Н	_		_	_		_	_		H
Frontier Management Systems	-	•	•	•	Ш	•			_					$\vdash$
Frost National Bank	-	•	_	<u> </u>		_			_					
Fulcrum Computer Group		<u> </u>	_	_	•	•				•	•		•	
Funeral Home Management Systems, Inc	•	-		•	•			•		Ш		•		-
Fusion Products	+	_	_	•					_					_
GMA Software	+	•	Ļ	_	ш									
GMD Systems International Inc.	-	•	•	_					_					_
GMS Systems, Inc.	-	•	-	_	Ш				_					_
GMS Systems, Inc.	-	•		_		_	_				_			
GTE Telenet Communications Corporation		•	•	•			_	•						
GTE Telenet Information Services, Inc.														
GWP Corporation	•				•					•	•	•		
Gains Systems Group	+			•										
Galler Associates Inc. (GAI)	-	•												
Gambles Datamation		•	•						_					
Gamma Systems Services							•	•						
Gamma Technology	•	•	•				•		_					
Gancom Inc.														
Garrett Computing Systems Inc.	•	•	•	•		•						•	•	

AMP COMPUTER SERVICES INDEX		COM	PUTE VICE	R	PRO	OCES! MOD	SING E	P	ROCI TY	PE	(G	CO	EMO MPU	TE
SERVICE AVAILABI COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Gaylord Bros., Inc. Library Systems Division	•	T		T	Г	Г				•	•			t
GEJAC Incorporated						-	_	$\vdash$			-	•		t
Gellman, Hayward & Partners		Ť			F	-	-	$\vdash$			$\vdash$	Ť	-	t
Gemini Business Systems		+	Ť	•	Н		-	$\vdash$				Н	-	t
GENASYS Corporation		+-		Ť	1		$\vdash$	$\vdash$	-	-	-	Н		t
Genasys International	_		Ť		$\vdash$	-	-	┢	$\vdash$		$\vdash$	$\vdash$	-	t
Genelco, Inc.		+			•		-	-	-		$\vdash$	$\vdash$		t
General Computer Corporation		+	•	•	•	•			$\vdash$			•	•	t
General Computer Corporation	- 1-		Ť	•	Ť	Ť		۴	-	-	-	Ť	-	t
General Computer Management Corporation			•		•	•				-	-	•	•	t
General Construction Data Systems, Inc		+	Ĕ		۲	Ť		۲		-	-	-	-	t
General Contractor Data Service		+		•	•	•	$\vdash$	$\vdash$	$\vdash$	•		-		t
General Data Systems, Ltd.		-	•	•	•	•	$\vdash$		-	-	•			t
General Electric CAE International, Inc		-		Ť				Ť	-	-	Ť		Ť	t
General Electric Information Services Company				•					•	•	-	•		t
General Health Corp.		-		•	Ť	•		1	-	Ť	-	Ť	-	t
General Physics Corporation				-	$\vdash$	Ť	_	$\vdash$	-	-		-	$\vdash$	t
General System Sciences			Ť		-	-	-	-	-		-		-	t
Generated Systems, Inc.			+-	-	-	-						$\vdash$		t
Generation Sciences International				-	-	$\vdash$	_					$\vdash$		t
Generic Systems Inc.			•		$\vdash$				•			$\vdash$		t
Genesee Computer Center, Inc.					$\vdash$	-		1	-			$\vdash$		t
Genesistems, Inc			1	-	1							$\vdash$		t
Genesys Software Systems, Inc			-	-	-	1		$\vdash$			$\vdash$	1		t
Genisco Computers	$\overline{}$	Ť	$\vdash$	•	$\vdash$			$\vdash$				$\vdash$		t
Gentech, Inc.		$^{+}$			$\vdash$			$\vdash$				$\vdash$		t
Geo Data Corporation			•											t
Geo-Search Seismic Processors			1		1			-			-	-	1	t
Geobased Systems, Inc														t
Geodynanmics Incorporated														Ť
Geographic Systems														Ť
Geophysical Computing Corp														Ť
Geophysical Service Inc.						•			•					Ī
Geophysical Systems Corp	•													Ť
GeoQuest International Inc.				•										Ť
Geoscience Petroleum Services Corp														T

CAMP COMPUTER SERVICES INDEX	(	SER	PUTE	R	PRO	MOD	SING E	P	ROCE	PE PE	iG		EMO 1PUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Geosource Inc.	•		1			•				•	•			Т
Gerard Systems, Inc	Ť	•	$\vdash$	$\vdash$	-	Ť	$\vdash$		$\vdash$	-				-
Gerber Garment Technology Inc.	+	Ť	$\vdash$	•			$\vdash$				-	Н	_	$\vdash$
Gerber Scientific Instrument Company, The	+									-	-	_		Н
Gerber Scientific Products, Inc.	+		$\vdash$	•										
Gerber Scientific, Inc.			_	•			_							
Gerber Systems Technology, Inc.	+		1							_				-
GESCO Corporation	+		•	Ť			$\vdash$		-			_	-	H
Gilbert Associates Inc.	+	•	-			_	_		$\vdash$					$\vdash$
Glendale Federal Savings		-	$\vdash$		•	•			Н	•	•	•	•	-
Global Computer Systems Inc	+		$\vdash$		-	-			$\vdash$	-	-	Ť	Ť	$\vdash$
Global Data Corporation/DFA				•	•	•	•	•	_	-		•	•	
Global Data Corporation, Inc.	-	Ť	•	•	Ť	Ť	Ť	-	$\vdash$	-	-	Ť	Ť	Ť
Global Data Midwest Corp			•	•		_	_							$\vdash$
Global Software	+		Ť	Ė	-			-						H
Gnat Computers	+		+-	-					$\vdash$					H
Goal Systems International Inc	+	•	+		Н	-	-	Н	_					Н
Goldbrick Inc.	+	•	$\vdash$		-	-			-	-	_	Н		$\vdash$
Goode George & Associates			-	$\vdash$		-		Н				Н	_	-
Gottfried Consultants	+-	-			Н			-	Н		$\vdash$			Н
Government Systems Group	_	•	Ť	-	Н	$\vdash$				-	-	Н	_	-
Grafcon Corporation	+		-			-		Н				-		$\vdash$
Graham-Dorian Software Systems, Inc.	_		$\vdash$	-	Н			Н	-		-			H
Gramco Inc.				•	Н	•	-					Н	_	H
Granada Systems Design, Inc.	Ť	•	Ť	Ť		Ť		H			Н	Н	_	-
Grand Terrace Data Systems	•	-	-		•	•					-		•	_
Graphic Arts Data Service			$\vdash$		Ť	•	-	Н		-	Н	H	ŭ	_
Graphic Data	+		•			Ĭ		Н			-	Н	-	$\vdash$
Graphic Software Systems		•	Ť							-				
Graphics Technology Corporation	+			•				Н			-			
Graphtek Corporation		•						Н						
Great Divide Software		•												
Great Lakes Information Systems Ltd.	+	•												
Greater Cleveland Computer Center	•	-			•			-				•		
Greer Sontag Associates Inc.	-			•	H							H		
Gregg Systems Corp		•			-						$\dashv$	-		
Grenier Associates Inc.	•	_	•		•	-				•	•	•		

AMP COMPUTER SERVICES INDEX		SER	PUTE VICES	R	PRO	CESS	ING E	Pl	ROCE		G		APUT	
SERVICES AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Groundstar Software		•		-								Н		r
Group Operations, Inc.		•		_	-		-		_	_	-	$\vdash$		H
Grumman Data Systems Corporation		۲	•	-	•									-
Gull Resources Management Systems, Inc		•	1	•	•		•					•		H
Gulley Computer Associates		•	-		Ť	•		•				1		t
H & A Computer Systems Inc		•	•	•	$\vdash$	Ť		Ť	-		$\vdash$	$\vdash$		t
HAI			•	•	-		-	-	_	$\vdash$	$\vdash$	$\vdash$		t
HBO & Company		۲	Ť		$\vdash$		-	-				$\vdash$		t
HDR Systems Inc.		$\vdash$		Ť	•			$\vdash$					•	t
HK Contractors, Inc.		•	Ť	-	Ť	-		$\vdash$	Ť		$\vdash$	Ť	Ť	t
HW Systems, Inc.		Ť	+-	$\vdash$				$\vdash$		•	•	-		t
H & M Systems Software, Inc.	-				1		$\vdash$	-			_	$\vdash$		t
Hadron Inc.		1	•		$\vdash$	H		-						t
Hal Systems & Services			$\vdash$	•	•									t
Hall and McChesney						•		$\vdash$		•	•	T		t
Hallahan, G.W. and Co Inc.					1									t
Hancock-Dikewood Services Inc.			•	•	•	•	•				•	•		t
Haney & Associates		Т	•	Т	Г									t
Hansco Data Processing Inc.			•						1		Г	Π		T
Hansen, H.J. Co.									1			Т	Т	Ť
Harfst Associates Inc.				•	•	•					•	T	•	t
Harris & Paulson Inc.		•		•	•	•	•	Г				Г		T
Harris Data Service Inc.		•			Г				Т		•	Г		İ
Harris Information Systems, Inc			•		П			Г	П			Г		Ī
Hart Systems Inc.		Т	П	П	Г	•				Π	Ι			I
Hartley Data Service Inc.	•				•	•		•				•		I
Hatter Data Systems		•		L						L				
Haverly Systems Inc.	•		•	•	•						L		•	1
Hawkeye Grafix			_								L			1
Hay Huggins Data Services Inc.						•	_	•		_			•	1
Hayden Publishing Software Division								-	-			1	_	1
Health Information Systems Inc. (HIS)	_	1	1	•	1	_	<u>_</u>	$\perp$		_	-	-		1
Health Systems Institute of Maine	•		-	•	•		•	-	-		-	•	-	1
Heights Information Technology Service, Inc.		-	•	-	-	-	-	-	-	-	-	-	-	1
Helm Data Processing Inc.	•	+	-	1	-	•	-	-	-	-	-	-	-	1
Hemenway Corporation					1		1	1			1	1		1

CAMP COMPUTER SERVICES INDEX		COM SER	PUTI	ER S	PRO	MOD	SING E	P	ROCI	ESSIN PE	NG	CON	EMO UPU	TE FIN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Henry, Jack & Associates		•	H	Ė	Н		_			-			-	
Herco	+	1	•					-		-			-	
Heritage Computer Corporation		•	•		•	•		_	-	-		•	•	
Herring Associates, Inc	+	•	<u> </u>	$\vdash$	Ť	Ť		_		$\vdash$		-	-	-
Heuristic DataSystems, Inc.		•		•	$\vdash$			_	-	-		$\vdash$	-	
Hewlett-Packard General Systems Division			•	•	$\vdash$				-				-	-
High Technology Software Products, Inc	-	•	-	-	-		-		-			H		
Higher Order Software Inc		•			$\vdash$									-
Highlanders Systems, Inc		•			-			-	Н					┝
Higley & Company, Inc.	$\neg$	•	•		$\vdash$	Н	Н			_		Н	-	H
Hilltop Enterprises, Inc.	•	•	•	•	$\vdash$						-	Н		$\vdash$
Hobbs Associates Inc.		-	•	Ť	•			•			_			-
Hochschild, Alan, Inc.	- <del>  -</del>	•	Ė		Ť		Н	-		-		H	-	$\vdash$
Hogan Systems, Inc		•		$\vdash$	⊢	Н	Н					Н		Н
Holguin & Associates		•	_			-	Н			Н	-	Н		Н
Hollander Associates		•					-					Н		Н
Holmes & Shaw Inc.		Ė	-	•	•	•	$\neg$	-		Н		7	-	Н
Honeywell Datanetwork			_				$\neg$	-	•	•	•	•		-
Honeywell Inc.		•	•		•					-	-	-	-	
Honeywell Information Systems		•	•	•	•	•	$\dashv$		-	$\neg$			•	•
Horizon Software Systems		•		-		-	$\neg$		_		-	_	-	Ť
Horrigan Analytics			•				$\neg$	$\neg$	_		$\dashv$			-
Hospital Data Services		•	•	•	•	•			_		•		•	-
Hotze, James B. Company		•									-		-	_
Houghton Mifflin Company	•	•				•	$\neg$				_			_
Houston Data Center Inc.			_		•	•		•			$\dashv$	•		-
Houston Engineering Research Corporation			•								$\neg$			_
louston Information Systems Inc					•					•	•	•		_
louston Micro-Computer Technologies, Inc.		•		•			$\neg$							_
Houston Processors Inc	•													_
Ioward Finley Corporation	•		•			•								
Ioward Systems International			•											
Iudson Soft Inc.		•												
Human Computing Resources Corp.		•	•											
Humatix Business Systems Inc. Hunter & Ready Inc.		•												
		•										_	_	

AMP COMPUTER SERVICES INDEX	·	SERV	UTE VICES	R	PRO	CESS 40DI	ING	Pl	ROCE TY	SSIN PE	G		MOT IPUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABLEE
Hutchinson Associates Ltd.		•	Т						-					Г
Hydra Computer Corporation		Ť	-		•	•		$\vdash$	_	•	•	•	•	r
Hydro-Data Inc.					Ė	•			-					r
Hydrocomp Inc.		•	•					1						T
ICS Group	-	É	•											1
IDC Data Services Inc.			•	•	•	•	•	$\vdash$				•	•	t
IDSI		•	$\vdash$	•	T		Т	1				Г		T
IE Systems Inc								T			$\vdash$	$\vdash$		t
IFA Computer Services Inc.		Ť	$\vdash$	•	$\vdash$	•	-	Н				$\vdash$		t
III Systems, Inc.				•	•	•	•	T			_	•	•	İ
IJG Computer Services			$\vdash$				1	$\vdash$						t
ILD Marketing	-				$\vdash$		1							t
IMR Systems Corporation			$\top$	_	T		Т							Ť
IMS American Ltd	•	T	Т						Ι					T
IMS Marketronics					•	Г	Т							T
ISI Systems Inc.					•		Г	Т	П		•			Ι
ITS Computing, Inc.			Т		T	Г	Т	Г				Г		Τ
I-Concepts, Inc				•	•	•	•	П						I
IBIS Corporation			Т		•	•	Γ	•	•			•	•	
Iconix		Т	T	•	•	•						•	•	
Idaps					Γ				L			L		1
Ideal Computer & Electronics Inc. (ICE)								L	_		L	L	<u>_</u>	1
Ikier Technology			$\perp$	•	_		_	$\perp$	_	L	_	上	╙	1
Ikonas Graphic Systems Inc		1			L			L	_	L	_	┖	L	1
Illiana Data Processing	•					•	_		_	L	•	L	_	-
Illinois Micro Inc		•			-		-	1	_	$\perp$	-	-	-	1
Improved System Technologies Inc.			•		1	-	1	-	-	-	-	1	-	1
In-Situ Inc		•			-	-	+	+	-	-	-	-	+	1
Incepts, Inc.	_	-			+	-	+	-	+	-	-	-	-	4
INCO Inc.		+	•	+-	-	-	-	-	+	+	-	+	-	+
Inconographics,Inc	_	+		+	+	-	-	+	+	+	+	+	-	-
Indecon Inc.		+		-	+	+	-	+	-	+	-	+	+	+
Independent Computer Systems (ICS)	-		•	-	+-		-	+	-	-	+	+	+	-
Independent Tax Corporation (ITC)	-	4	-	-	+	-	-	+	-	+	+	+	+	+
Index Systems Inc.	-			+	+		-	-		+	+	+	+	+
Indiana Gas Company, Inc.												1		

CAMP COMPUTER SERVICES INDEX	L	COM SER	PUTE VICE	ER S	PRO	MOD	SING E	P	ROCI	ESSI!	NG	CO	EMO MPU	TE FIN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Industrial Programming, Inc.	+	•	$\vdash$	•		Н	Н	-	-	_		$\vdash$	-	H
Industry Data Services	+-	•	•	•		-	-		-	_	_	<u> </u>	L	L
Info 3	+-	•	•			-	$\vdash$		Н	_	_	-	<u> </u>	H
Info-Data Services, Inc.		•	•	-	•	•	•	-	-	_		•	•	H
Info-Serve, Inc.		-	-	•	H	H	H	•	-		-	-	Ц	-
Infodata Systems Inc.	1	•	$\vdash$	-	ŭ	-	-	_	-				_	-
Infographics Inc		_	-	•	Н			-	-		-	-		H
Infomark, Inc.	+-	-	$\vdash$	•	Н	-	$\dashv$			_		H	_	_
Infomart	+-	-	-	-	7		-	-	$\vdash$	-	-	-	_	•
Infomed		•		•	ä	$\dashv$		•	-	_	•	•	•	-
Infonational	+-	•		_	-	$\dashv$	-	-	-		ч	냄	-	_
Informata Landex Systems	+-	-	-	•	-	$\dashv$	$\dashv$	-	-	-	_	Н	-	_
Informatics General Corp		•	•	-	•	•	•	•	$\dashv$	•	•	•	•	•
Information & Communications, Inc.	Ť	•	-	H	-	-	-	-	-	-	-	Ц	-	•
Information & Publishing Systems, Inc.	1	•	•	H		$\dashv$	$\dashv$	$\dashv$		-	-		$\dashv$	_
Information Access Systems, Inc.	$\vdash$	•		Н	$\vdash$	$\dashv$	$\dashv$	-	-	-	-	-	-	_
Information and Systems Research, Inc. (ISR)		•	-	$\vdash$	$\dashv$	$\dashv$	$\dashv$	-	-	$\dashv$	-	-	$\dashv$	_
Information Associates, Inc.	1	•	<b>-</b>		$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	-		-	-	_
Information Automation, Inc.		•			-	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$		-	_
Information Builders, Inc.	$\vdash$	•	_		-	-	-	-	$\dashv$	$\dashv$	$\dashv$		-	_
Information Catalysts, Inc.		•	•	-	-	-	-	$\dashv$	$\dashv$	-	$\dashv$	$\dashv$	-	_
Information Concepts, Inc.	+	•		$\neg$	-	-	-	-+	$\dashv$	$\dashv$	-	-	-	_
Information Consultants Inc.	•	•	•	•	•	-	-+	•	-	•	$\dashv$		-	_
Information Control Inc.	•	_	-	-	-	•	-	•	+	-	$\dashv$	-	+	-
Information Dynamics Inc.	•				+	•		•	+	$\dashv$	-	$\dashv$	$\dashv$	-
nformation Equities Inc.		•	•			-	$\dashv$	-	-+	-+	-	$\dashv$	$\dashv$	-
nformation Handling Services	•			$\neg$	$\forall$	•	$\dashv$	-	$\dashv$	$\dashv$	$\dashv$	-+	-	-
nformation Management International	•	•	•	•	•	•	+	+	+	-	-	•	•	_
nformation Management Technologies			•		7	1	1				-	-	-	-
nformation Management Consultants Inc.		•			7	+	1	+	+		1	+	-	-
nformation Organization Corporation, The		•			1			7	1		1	1	+	
nformation People Inc, The		•	•	•		1				$\neg$	7	$\dashv$	+	
nformation Plus, Inc		•				1	1	1	7	$\neg$		$\dashv$	1	
nformation Processing Corporation	•	•								7	1		1	
C. C. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L. D. L.														
nformation Processing Directions, Inc. nformation Processing Techniques Corp.		•							П	П	$\neg$	$\neg$	Т	

AMP COMPUTER SERVICES INDEX	(	SERV	UTE!	R	PRO	CESS	ING E	PI	TY	SSIN PE	G	COM	MOT	E IN
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Information Recall Systems, Inc.		•	•	•	•			Т				•		Г
Information Research Associates	-	•	•		t									Г
Information Resources Ltd			Ť	-										r
Information Science, Inc.		•			•	•						•	•	r
Information Sciences, Inc.		۲	+-			•		_		_		•	•	r
Information Services, Inc.		+	+	1	•	•		•			•	•		r
Information Systems Design, Inc.			+	$\vdash$	•	•		1		•	•	•	•	r
Information Systems Design, the.	- 1	Ť	+	+	Ť	Ť		$\vdash$		•		†		t
Information Systems Inc.		+	+	+-			$\vdash$	1	$\vdash$	1	Ť	•		r
Information Systems Inc.			+	-	۲	Ť	$\vdash$	+-		1	$\vdash$	Ť		t
Information Chimited Inforware Systems, Inc (ISI)		Ť	$\vdash$		$\vdash$	-	$\vdash$			-	$\vdash$	$\vdash$		t
Infoservices, Inc				-	1	$\vdash$	$\vdash$	$\vdash$	$\vdash$	1	Т	$\vdash$		t
Infosoft Systems, Inc.			-	+	1	t		Т	1	$\vdash$				t
Infotec Development Inc.					$\vdash$		T	Г		$\vdash$				t
Infotecs		+	+		T	1	$\vdash$	t				Т		T
Innosys, Inc.				1	Т		Т					Т		Ī
Innovation Data Processing, Inc.			1	T	$\vdash$	T	$\vdash$	$\vdash$	Т					t
Innovative Software Applications					Т	1	T		Т					t
Innovative Software					T						Т	Т	П	T
Innovative Systems, Inc.			1	$\top$	Т		T					T	Т	Ť
Input Output Computer Services		$^{+}$		1	T	$\top$	Т	T		T				t
Input Services, Inc.		1	+	$\top$	$\top$		Т	T	Т		1			Ť
Input Systems Inc.	•	1	$\top$	T	$\top$							Τ		Ť
Insac Software Inc.					T	$\top$	$\top$			T		Τ	Г	Ī
Insco Systems Corporation							T	Т				Т	•	Ţ
Inslaw, Inc				T			T	$\top$	Т			Τ		Ī
Insoft				$\top$	$\top$		$\top$	T		Т		Т		Ī
Instacom, Inc	•	)						1					•	I
Instant Software, Inc		•												I
Institute for Software Engineering (ISE)		T												1
Institute of Modern Procedures	•													
Insurance Data Processing Inc.													•	
Insurance Data Systems					$\Gamma$									
Insurance Information, Inc				•	)									
Insurance Processing Services, Inc.	•													
Insurance Servicing & Information Systems Corp.	•													
Insurance Systems Inc.	•				•						L			,

CAMP COMPUTER SERVICES INDEX	.   '	SER	PUTE VICES	R	PRO	CESS	ING	PI	ROCE TY	ESSIN PE	łG	RI CON	EMO 1PUT	TE TING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Insurance Systems of America	•	•	•		-			Н		•	•	•		_
Insurnet, Inc		-	Ť		Ť			-		Ť	H	Ť		Н
Intech, Inc.	Ť	$\vdash$	•				-	Н		-	-	Н		-
Integon Computer Corporation	•	$\vdash$	Ť		•	•	-	Н		-	Н	•	•	-
Integral Business Computing, Inc.	Ť	•	•	•	Ť	-	-	Н		-	Н	Ť	_	-
Integral Software Services	+	•	•	Ť			$\vdash$	Н			Н	-	_	Н
Integral Systems, Inc.	+	•	Ť		-			Н	-					H
Integrated Automation Inc.	+	Ť	•	•	-		=			-	Н	-		H
Integrated Business Methods Inc. (IBMI)			Ė	-	Н	•				$\vdash$	7		-	-
Integrated Computer Services Inc.		_	-		•	•	-			-	H	Н	•	-
Integrated Planning	Ť	•		-	Ť	Ť		Ť		-	Н		_	Н
Integrated Software Systems Corporation (ISSCO)	+	•			Н		-				Н			-
Integrated Systems Management		•	•		•	•				$\vdash$	Н	Н		Н
Integrated Technologies, Inc.	+-		•		Ť	Ť	-			$\vdash$	Н	Н		-
Intel Systems Corporation	+			-			_			-	Н	Н		H
Intellectron International, Inc.		-	-			•	_			•	•	H		Н
Intelligence Interlink Corporation	_		•	•	П					-	-			_
Intelligent Industrial Systems Inc	_		•		Н		Н				-	Н		H
Intelligent Systems Corporation		•			•			•				•		-
Intellimac Inc	+	•			Ė							Ť	_	-
Inter Systems, Inc.		•	•	•		•	•				Н	•	•	Н
Inter-Care		•	-	•		-						ŏ	-	-
Intera Environmental Consultants, Ltd.	+	•	•	-					•					_
Interactive Applications, Inc.		•	•				•				•	•		-
Interactive Computer Enterprises	_		•									-		
Interactive Computer Modelling Inc.	+	•					$\neg$							_
Interactive Data Services, Inc.	$\top$	•												_
Interactive Elements Inc.			•	•					-					
Interactive Inc.		•		•	•							•		
Interactive Information Systems, Inc.		•												
Interactive Logic Inc.		•												
Interactive Management Systems, Inc. (IMS)		•	•	•	•									
Interactive Management Systems Corp.	•	•	•	•	•		•					•		
Interactive Market Systems, Inc.	•													
Interactive Minicomputer Systems, Inc.		•												
Interactive Software Inc.														
Interactive Software Systems Inc.			•	•			•							

AMP COMPUTER SERVICES INDEX		COM! SER	PUTE	R	PRO	OCESS MOD	SING E	P	ROCE TY	SSIN PE	(G		EMOT	
SERVICE AVAILABL COMPANY NAME	AS AS AS AS AS AS AS AS AS AS AS AS AS A	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
INTERACTIVE Systems Corporation					$\vdash$		_							Г
Interactive Technology Inc.		•			$\vdash$		-	-	$\vdash$	-	-	$\vdash$		Г
Intercomp					-	-	-	-	-		_	-		
Intergraph Corporation		-	Ť		-	-	-	-	-			$\vdash$		Г
Intermark Systems, Inc.				-	1			$\vdash$	_		-	$\vdash$		Г
Intermetrics, Inc.		•			$\vdash$									Г
Intermountain Health Care, Inc		Ť	-		$\vdash$	$\vdash$		$\vdash$			$\vdash$	$\vdash$		Г
International Business Machines				-	1			$\vdash$						r
International Business Services Inc.		1	•	•	-	_				-				r
International Computagrint Corporation		-	F	-	1							$\vdash$	_	r
International Computer Technology (ICT) Corporation			$\vdash$	•	$\vdash$								_	r
International Computer Systems			$\vdash$				$\vdash$	$\vdash$				•		r
International Computing Systems, Inc.							$\vdash$			_	_			r
International Computing System	•	$\top$	Т		Г	$\vdash$								Ī
International Data Base Systems, Inc. (IDBS)														Ī
International Data Systems		•		•	Г							П		Γ
International Environment Research, Inc. (IER)			•			•								Γ
International Graphics		Т			•							Г		Γ
International Management Systems Corporation		•	•											
International Market Resources Services				•	Г	Г								
International Mathematical & Statistical Libraries, Inc.		•												
International Micro Systems Inc.		•		•										
International Programming Labs											L			
International Systems, Inc.											L			L
International Telecontrol Corporation														
Interpac Software, Inc.		•				$\perp$	L	L		L	_	_		
Interpretive Data Systems	•	-	•			_			L	_	_	•		1
Interpretive Data Systems	•				•	•	_	┖		-	•	•	•	1
Interstar Corporation			•	-	1			-	-	_		-	-	1
Interstate Business Services	•		-	-	•		-	-						+
Interstate Computing & Software Corporation	-	-			-	-		-	-	-	-	-	-	+
Interstate Computing Inc.		-		•	-	•		•	-		-	-	-	+
Intersystems Software Inc.				-			-		-	-	-		-	+
INTERTEC Intertel Inc			_		10	10	-	-	-	-		1	-	+
	-		-	-	1-	-	-	-	-	-	+-	-		+
Intimate Services		+-	1	-	-		-		-	-	-	-	-	1

CAMP COMPUTER SERVICES INDEX		COM	PUTE	R	PRO!	MOD	SING E	P	ROCE TY	PE	iG.	CON	MO'	TE
SERVIC AVAILAE COMPANY NAME	ES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Investment Computer Services Inc														
ISIS Systems, Inc.	- 1-	+-		+-	$\vdash$	$\vdash$		$\vdash$	-	$\vdash$				
J.M.S. and Associates		+	+-	$\vdash$		-	-	-					•	Н
JCI Data Processing Inc.		+	+	+	•	•	_	$\vdash$		-		•	•	
JEM Associates			-	$\vdash$	Ť	Ė						-	Ť	Н
JES, Inc.		1	•	$\vdash$	$\vdash$		$\vdash$	_			-	_		
JL Consulting Services, Inc			1	$\vdash$	$\vdash$			_				$\vdash$		Н
JMI Software Consultants Inc.				$\vdash$									$\vdash$	
JSK Consultants			+	$\vdash$				Т						Т
Jackson Seismic Processing Inc	•	+	+	T				_	_					$\vdash$
Jacobsen & Associates				•	•	•		•				•		Н
Jason Data Services			,	$\vdash$	$\vdash$			Ė	_			-		
Jayanel Computer Services		+			_	•		$\vdash$					-	
Jini Micro-Systems, Inc			1	$\vdash$		-						-		-
Jobnet, Inc		Ť	+	1	•		$\vdash$	$\vdash$						
Johnson Computing Inc.		+	+-		•		•	$\vdash$				•		F
Johnson Systems Inc.	-				Ė	_	_	$\vdash$		-		-		Н
Johnston Brown & Associates Inc (JBA.Inc)			+			-		$\vdash$						Н
Jones/Hosplex Systems, Inc		•		•			$\vdash$					Н	_	-
K & H Computer Systems, Inc.		•		-			-	-			Н	Н	-	Н
K & R Custom Software Inc			1	$\vdash$	$\vdash$			-				Н		Н
K & S Data Services, Inc.		+	+				_	$\vdash$				Н		-
KBM		$^{\dagger}$	+-					$\vdash$			Н			-
KDB Systems, Inc.			1								Н			_
KDK Enterprises, Inc													_	
KGA Engineering Inc												Н		
K-Squared Systems				•				$\vdash$				Н		
Kaiser, M.A. & Associates						_	•	$\vdash$			_			_
Kanawha Valley Data Control, Inc.		T	+							П				
Kappa Systems Inc.			•											
Kates Komputers		•												
Keane, Inc.		1	•				•			•	•		-	
Kearney, A T			•											
Kearns and Company	•					•								
Kebert Corporation	•	•												
Kennedy & Coe		•				•		•			•			
Kentron International Inc.			_		6	ŕ					-			-

CAMP COMPUTER SERVICES IND	)EX	(	SERV	VICES	R		MOD		P	ROCE TY	SSIN PE	NG	CON	MPU1	TΕ
COMPANY NAME	SERVICES AVAILABLE	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Key Data Services Inc.							•								Г
Key Entry Inc.			_				-		-				$\vdash$	-	t
Key Financial Systems Inc.		1	-						-				$\vdash$	-	t
Key Management Inc.		+		•	1	-					_		-		t
Key-Data Associates, Inc.		•			$\vdash$								$\vdash$		t
Key-Matic Corporation		•			Т		•		_						t
Keydata Corporation		•				•	_		Т				•		t
Keydata Systems Inc.		•	•									_		-	t
Keypunch & Systems Support, Inc.							•			-			$\vdash$	-	t
Keystone Computer Associates Inc.		+	•	•					Г		_				t
Keyvest			•	•			•					_			t
Kidd International Data Processing															t
Kimbrough Computer Sales, Inc.			•	•	•				_				Г		t
Kirby Computer Systems			•		•	Г			Г				Г		t
Kirchman Corporation		•	•	•	•		•	•							t
Kitzmiller Systems				•											t
Klaassen & Associates		$\top$	•			Г									Ť
Knuth Computer Services Inc			•	•											Ť
Kor Data Systems Inc.						•	•	•	•			•		•	t
Kranzley & Co., Inc.		$\top$	•		•				Г						t
Krell Software Corp			•												t
Krohm International, Ltd			•			Г									Ť
Krown Computing			•			П									T
L.D.M. Inc.			•	•		•		•							T
LCS Data Processing Inc.						П	•								Ī
LNK Corporation			•	•											I
LTI Consulting Services Inc.				•											I
Laidlaw,Richard E Inc			•												I
Lakeland Computing Service Inc.															1
Lambros, Peter & Associates				•	_										1
Lamda Systems Inc.		•	•				_						_		1
LAN Systems, Inc.			•	•	•				_			_		_	1
Lanco Data Processing Services Inc.		•				_	•	_	•	-	-	_	-	_	1
Landart Systems, Inc.		•	-	•		•	•		-	-	-	_	•	•	1
									l e						
Langston Kitch & Associates Language & Systems Development Inc.		•	•	•	_	-	•	H	-	•	•	•	-	$\vdash$	+

CAMP COMPUTER SERVICES INDEX	'	SER	PUTE VICES	R	PRO	CESS	SING E	P	ROCE	ESSIN PE	iG	CON	MO1	TE INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Lantor Information Systems		•	$\vdash$								Н		-	_
LARC Computing, Inc.		•					Н			-	Н			
Lark, D.W. Ltd.		•	-		-	-	-	-		-	-			_
Latham Computer Center Inc.	•	•		-	-	•		•			-	_		_
Lavan Systems Inc		•			-	-	$\vdash$	=	_	-	-		_	_
Lawn Data Corporation	•	-	Н	_	-	•	-		_		-	_	_	_
Lawson Associates	-	•	•	_				ч	-	_	$\vdash$	_		_
Learmonth & Burchett Management Systems Inc (LBMS)		•	-				$\dashv$	_	_			_		_
Leasing Consultants		•	_	_		_	-		_				_	_
Legal Accounting & Management Systems		•	•	_	_			Ш					_	-
Legal Data Systems		-	-	•	_		-	_	_	_	_	_	_	_
Level IV Products, Inc.	•	•	-									_	_	_
Levis, J. Preston Regional Computer Center		•			_		$\Box$	_				_		_
Libra Programming, Inc.	•	Ļ	•		•							•	•	
Libra Technology Group		•		_		_	_		_				-	
Lifeboat Associates Inc.		<u>_</u>	•	•			4							_
Link Systems		•					_							
		•					_							
Linton, Shafer & Co Liocs Corporation	•	•	•	•		_	_	_						
	•	•	•			•	_	•				•	$\Box$	
List Processing Company, Inc.	•	•				•	$\perp$			•	•			
Listmark Computer Systems Inc.	•					_	_			•	•			
Little, Arthur D., Inc.			•			_							_	
Little, Arthur D., Systems, Inc.			•	•										
Litton Computer Services	•				•							•	•	
Litton Industries, Inc.		•		•	•	•					_	•		
Litton-Mellonics	•		▣		•	•		•		•		•	•	
Lockheed DataPlan Inc														
Lockwood Association Inc, The		•												
Logi-cal Computing Inc.		•			•	•		•	•				•	
Logic Extension Resources		•									[			
logic Inc.	•	•												
Logica Inc		•												
Logical Design Corp.		•												
Logical Software Inc		•				_[								
Logical Systems Corp.		•												
Logicon Inc.			•	•		[								
Logistics Concept Inc.				•			$\neg$							

AMP COMPUTER SERVICES INDEX	(	SERV	ICES	2	PRO	CESS	ING	PI	TY	SSIN PE	G	COM	MOT	
SERVI AVAILA COMPANY NAME	CES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Logistics Systems		•					П							Г
Logos		•				_		$\vdash$						Г
Lone Star Software Inc		•	-	-										Г
Lorber, Raymond G., Inc.		•		•	$\vdash$					-				Г
Loris Data Associates Inc		•	1	-				$\vdash$		$\vdash$				r
Loud Consulting Corp	•	•		•	$\vdash$									Г
Louisiana Companies	•		$\vdash$		•	•		Т			Г	•	•	Г
Louisville Tabulating Service Bureau	•	•				•						•	•	Г
Loumar Management Systems	•				$\vdash$	_	•			•	•			Г
Lowell-Welter Associates			•	•	Т	$\vdash$								
Lowenthal Programming Corporation		$\vdash$	•		1	Г		Г						
Lowry, James H & Associates		$\vdash$			$\vdash$		Г	П						r
Lundy Electronics & Systems				Г										T
Lupfer & Long, Inc.		•	Т									Г		Γ
Lycor Inc.			•				•			•	•			Γ
Lynch Data Processing	•		Т		•	•						•		
M C S Company (The)				Г	Г									
M.W.L. Inc					Π			Г	Г					
M/A Com Sigma Data Inc Corporation	•	Т				Г		Г	Г	Г				
MBA			Т	П	П	Г						L		
MBS Consulting			•											
MBS Software											L	L		
MCBA									_	L		L		1
MCRB Service Bureau	•				•	•	L	_	L	_		•	•	1
MCT Information Systems, Inc.			I		L			L		_	_			1
MD-Dexel Systems Corp			_		$\perp$	_	L	<u> </u>	_	$\perp$	_	╙		1
MDC Systems Corp			_		L		_	┖	_	L	L	_	_	1
MDCR, Inc.				$\perp$	1_	_	_	1	_	$\perp$	$\perp$	┺	_	1
MDS Lawtime		1	1		4	1_	╙	╄	1	╄	_	1	$\vdash$	4
MDS Soft Pro System			-	-	-	-	-	1	-	1	1	-		4
MDS, Inc.		-	_	-	-	•	-	-	-	•		-	-	+
MHT Services Inc.		•	_	-	+	-	-	+	-	+	-	-	-	+
MIPS Software Development Inc.			_	+	+	+	-	-	+	-	+	+	-	+
MIS Associates		C	-	+	10	-	-	-	+	+	+	+		+
MIS, Inc.		_	-	-			-	+	+-				1	+
MJK Associates	•	,											-	4

CAMP COMPUTER SERVICES INDEX	L	SERV	PUTE VICES	R	PRO N	CESS	ING	Pl	ROCE	ESSIN PE	iG	CON	MO 1PUT	TE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
MTSC, Inc.	T		•											
MVSE Software		•									П	П		
MVT Microcomputer Systems, Inc.		•												
MacDonald Computer Systems	•	•	•	•										
MacIntyre EDP Service, Inc.		•	•								П			
MacNeal Schwendler Corporation		•												
Macro Corporation	T		•											
Macro 4 Inc.	T	•												
Magnum Communications, Ltd	Т	•												
Mailhouse, Inc.		•	•		•	•								
Mailing Data Services	•													
Mainstem Corp				•										Г
Major Computer Corporation			•			•		•						Г
Mamba Inc	1	•												Г
Management & Computer Services Inc.		•				•								Т
Management Computer Services, Inc.	•											•		
Management Computer Services, Inc.				•	•	•		•			•			
Management Computer Controls		•	•	•									•	
Management Control Methods Inc.						•		•						
Management Control Systems Inc.	•					•		•						
Management Control Systems Inc		•		•										
Management Data Services Corporation	•					•		•					•	
Management Data Systems Inc.	•	•			•	•				•		•		
Management Decision Systems Inc.		•	•		•	•		•						
Management Decision Systems, Inc.		•	•		•		•					•		Г
Management Decisions Development Corporation	Т	•	•	•										Г
Management Directions, Inc	•	•	•											
Management Group Inc.		•												
Management Information Systems (MIS)		•												
Management Methods, Inc.	•													
Management Reporting Service	•					•		•						
Management Science America		•												
Management Science Associates,	•				•									•
Management Sciences Inc														
	_													
Management Services Inc. Management Systems & Programming Inc.	•	•				•		•						

AMP COMPUTER SERVICES INDEX	(	OMP SERV	UTE	R	PRO N	CESS	ING	PI	ROCE TY		iG		MOT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Management Systems Consulting Services			•	•				Г				Г		Г
Management Systems of Wausau Inc.		•	Ť		•	•	•	$\vdash$	_	$\vdash$		$\vdash$		
Management Techniques, Inc.		۲	-		Ť	-	-	$\vdash$		_		-		Г
Management Technology Inc. (MTI)			•						$\vdash$	-			•	1
Managistics Inc.		Ť	-	-	•	•		Ė	$\vdash$	$\vdash$				•
Mandalla Information Systems			$\vdash$	$\vdash$	$\vdash$			Т			$\vdash$	$\vdash$		Г
ManLabs, Inc.		1				$\vdash$		Т		Г	_			1
Manley Data Processing Company		1			$\vdash$	•			T	•	1			Г
Manlius Valley Enterprises Inc.		•			1									Г
Mann Data Inc.		•	•		1	Т		$^{\dagger}$						
Mann, Charles & Associates Micro Software Division									Г		Г	Г		Γ
Manufacturers Resources and Planning, Inc (MRP)					T	Т		T						
Manufacturing and Consulting Services Inc (MCS)								Г	Г					Γ
Manufacturing and Systems Programming		•			Т			Г						
Manufacturing Data Systems, Inc.		•	Т									L		L
Manufacturing Education Services, Inc		•										L		L
Manufacturing Management Systems, Inc		•										L		1
Manufacturing Resources Management				L.	$\Box$									
Manufacturing Solutions and Systems				Г										
MANUS Services Corporation	•					•							L	1
Maple Plain Company							L					L	L	1
Marathon Management Systems			_				L	L	$\perp$	1	$\perp$	1	_	1
MARC Analysis Research Corp.				1	$\perp$	_	L	┸	┸	_	_	$\perp$	_	1
Marcam Data Systems Corporation		•	-	+-	1	$\perp$	_	$\perp$	$\perp$	1	_	1	1	1
Marchbanks and Parker, Inc.			_	-	┺		1_	1	$\perp$	1	$\perp$	1	╄	1
Marcoin Business Management Services, Corp	•	-	_	-	4	╄	1	+	+	$\perp$	+	$\perp$	-	4
Marine Management Systems			-	_	$\perp$	_	+-	+	+	$\perp$	+	╀	+	+
Marino Associates			_	$\perp$	$\perp$	+	+-	+	+	+	+-	+-	+	+
Mariposa Corporation		1	•	-	+	+	-	1	+	+		+	+-	+
Maritime Computer Corporation	- 0	_	_	-			-	-	-	+	+	1		+
Mark/Ops	- 1	_		1	胀	-	+	+	+	+	+	+	-	+
Market Buy Market			+	+		_	+	+	+	+	+	+	+	+
Market Data Retreival		_				+	+	+	+	+	+	+	+	+
Market Data Systems Inc.			1	1	+		-	+		+	1		+	+
Market Research Tab Inc.		_	+	+	-		-	+	+	+	+	+	+	+
Market Science Associates, Inc				-	1		-	-	+	+	+	+-	+	+

CAMP COMPUTER SERVICES INDEX	'	COMI SERV	PUTE VICES	R	PRO!	MODI	E E	P	ROCE TY	SSIN PE	iG	CON	EMO IPU	TE TIN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Marketron	•	_			•					•	•	•		
Marquette Services Corporation	-	$\vdash$	-	-	•	•		-		•		•	•	$\vdash$
Marshall & Stevens				-	-	5	-	•		_	=	•	•	
Marshall and Swift Publication Company		۳	Ť	-	•	_		-		_		-	_	•
Martec Computer Corporation	-	$\vdash$	-	-	•	-	-	H				$\vdash$	•	۲
Martin and Stern Inc.	+		•		-			$\vdash$			Н	$\vdash$	Ť	1
Martin Marietta Data Systems			•		•	•		$\vdash$		_	Н	•	•	$\vdash$
Masser Systems Inc.		•	Ť	-	•	•		$\vdash$		_		•	-	┢
Master Data Center, Inc.		•		-	•	•		-		_	•	Ť	•	┢
Master Information Systems	•	<u> </u>		-	•	_		-		_	Ť	•	-	$\vdash$
Mathematica Products Group	Ť			-	-			$\vdash$		_		Ť	-	⊢
Mathematica, Inc.	+-					-		Н	-			-	$\vdash$	┢
Mathematical Applications Group		-	•	•						_		-		Н
Mathews & Company			•			•		$\vdash$		•	•	$\vdash$		┢
MATHTECH, Inc.	1		•					_			-	$\vdash$	-	┢
Matrix Insurance Services Inc.		-		•	•	•	_	_				•		H
Matzen and Associates	$\top$	•	•		Ė			$\vdash$				Ť		-
May & Speh Processing Center, Inc.			•					Н				$\vdash$	_	1
McCleery, Winston T., Consultants		•	•											H
McCormack and Dodge, Inc.		•		Т			_						$\vdash$	
McCracken Computer, Inc.		•	•									-	-	-
McCullough and Associates		•										$\vdash$		
McDill Corporation								•				Г		Н
McDonnell Douglas Automation Company		•	•	•	•		•	•	•		•	•	•	•
McGraw-Hill/Multilist					•	•						•		•
McHugh, Freeman and Associates Inc		•										$\vdash$		Г
McSpadden & Porter Inc.		•	•											Г
McSweeney & Associates		•	•											
Mead Data Central	•				•						-		•	
Measurement Concepts Corporation (MC2)			•	•										
Mechanical Technology Inc		•												
Med Logic Systems		•												
Medi-Serv, Inc. Medical Data Control	•			•										
Medical Data Services						•								
Medical Data Services  Medical Datamation	•		•	•	•	•	•							

AMP COMPUTER SERVICES INDEX	(	SERV	PUTE VICES	R	PRO	CESS	ING E	P	ROCE TY	SS1N PE	G		MOT PUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Medical Information Technology Inc. (MEDITECH)	•	•		•	•		•	$\vdash$	Т			•		r
Medicomm Corporation	+	-	Ť	•	-	-	-		-	-		-		H
Medidata Inc.		•	•	-	•			-		-		•		H
Medinet, Inc.		-	•		•					-		-	-	t
Megasoft Computer Systems, Inc	-	-	-	•	-	-				-			-	t
MegaSystems Associates	•			-					-			•	-	1
Megatek Corporation	+-	$\vdash$	$\vdash$		-	$\vdash$	$\vdash$	۰	-	-	-	۳		t
Mellon Bank Data Center		$\vdash$	$\vdash$	-		•	-	-		$\vdash$				t
Mencom Systems Inc.		$\vdash$		-	•	•	$\vdash$					۳		t
Menlo Computer Associates	+		•	-	-	۰		-			-	$\vdash$	-	t
Mentor Graphics Corp	+	Ť	Ť		-	$\vdash$	-	╁			-	-		t
Meridian Systems Inc	+	•	-	Ť		$\vdash$	-	$\vdash$			-			t
Merkle Computer Systems Inc.		۲	+-	-	$\vdash$		$\vdash$			$\vdash$		$\vdash$		t
Merrill Lynch Economics				$\vdash$		Ť	1	Ť		•				t
Meta Systems Concept Inc.		Ť	1	$\vdash$	-	-	$\vdash$	$\vdash$		-	Ė	Ť		t
Metamorphics	+-				$\vdash$	$\vdash$		$\vdash$	1	-		$\vdash$	$\vdash$	t
Metasystems Inc.	+			Ť	$\vdash$	$\vdash$	$\vdash$	$^{+}$	-	$\vdash$			_	t
Metier Management Systems, Ltd	+	۲	Ť		$\vdash$	+	$\vdash$	$\vdash$	1	$\vdash$	$\vdash$	1		t
Metro System, Inc.		-		•					$\vdash$	T			•	t
Metrocom Inc.						•		Ť	1	$\vdash$	Ť	•		t
Metromail Corporation		Ť	Ť	+	Ť			1	1	$\vdash$				t
Metropolitan Computer Center			$\vdash$	$\vdash$			$\vdash$			$\vdash$	T		•	İ
Micom Systems		$\vdash$		$\vdash$	1		$\vdash$	$^{\dagger}$				$\vdash$		1
Micro Applications Group			1		†		T	T	Т	$\vdash$	$\vdash$	$\vdash$	$\vdash$	1
Micro Associates Inc.		T		T	$t^-$	T	$\vdash$	†	T	$\vdash$	$\vdash$	Т		1
Micro Business Software Inc. (MBSI)			1	Т	T		$\top$							1
Micro Business Systems Inc.					T	Т		$\top$						1
Micro Computer Management Inc							T	Τ	Т	Т	T	Г		
Micro Data Base Systems, Inc. (MDBS)					T		1							j
Micro Five Corp														1
Micro Focus Inc.			1											j
Micro Information Systems, Inc.		•	1											
Micro Macro Systems Inc.				•										
Micro Solutions, Inc. (MSI)		•												
Micro Systems Software				-								1		
Micro-Base Associates, Inc.														
Micro-Call Services									-					

AMP COMPUTER SERVICES INDEX		COM! SER	PUTE	R S		MOD		P	ROCI TY		(G	CO?	EMO UPU	ΓE
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Microbol, Inc.		-	-	_	-		_	_		_	_	_	_	Ε
Microcobol Products Inc (MPSI)	+	•		_	Щ							_		L
Microcom Inc	+	•		•	_		_							L
Microcomputer Consultants	+	•	•	•	Ш		_			_		_	_	L
Microcomputer Software	+-	•	_	_			_	_		_	_			$\vdash$
Microcomputer Systems Development	+-	-		-			-	_		_	-		_	H
Microcon Digital Systems Inc	-	•		_				_		_	_		_	-
Micrographic and Computer Services	•	-	•	_			$\dashv$	-			-	_	_	H
Micromark Systems		-	ч	•		•	$\dashv$	-	•	-	_		_	-
MicroPro International Corp		•	Н	ч	$\dashv$		$\dashv$	-	_		_	_	_	
Aicrosoft, Inc.	-	•	-		-	-	$\dashv$	$\dashv$	-	-	$\dashv$	_		_
Microsource	-		-	-	-	$\dashv$		$\dashv$	-		-	_		_
Aicrosystems Consulting	+	•	Н		$\dashv$	$\dashv$		-1	$\dashv$	$\dashv$		-	_	_
Aicrotrol Systems Inc.	-		-			-	-	-	-	$\dashv$		-	_	_
Mid-American Control Corporation					-+	-	-	-	-	$\dashv$	$\dashv$		_	_
Aid-Continent Computer Services, Inc.	•	-		-	•	•	$\dashv$	$\dashv$		-	$\dashv$	-	_	_
Aidco Data Systems		•	-		•	-	-+	-	$\dashv$	$\dashv$	-	-	_	_
Midwest Data Systems, Inc.	•	-	•		•	•	-	-	$\dashv$	-	-			_
Aidwest Systems Group	-	•		-	•	•	$\dashv$	-	-	$\dashv$	-	•	•	_
Milestone Systems, Inc	+-	Ħ	-	$\dashv$	$\dashv$	-	$\dashv$	$\dashv$	-	-	-		-	_
Miller Computing Corp		_	-	•	$\dashv$	-	$\dashv$	$\dashv$	-	-	$\dashv$	-	-	_
Miller Microcomputer Services	_	•	•	-	$\dashv$	-	-	$\dashv$	$\dashv$	-	-	$\dashv$	-	_
Miller-O'Flynn	+		-	-	$\dashv$	$\dashv$	-	-	$\dashv$	-		-	$\dashv$	
Aillerick & Associates Inc.	+	H			$\dashv$	$\dashv$	+	-	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$	_
Aincron SBC Corporation	+-	Ħ	•	$\dashv$	-+	-	$\dashv$	+	-+	$\dashv$	$\dashv$	-		_
fineral Search, Inc			•	$\dashv$	+	-+	-	$\dashv$	-	-	-	$\dashv$	-	_
fineweld Data Management Center	-	•	-	-	•	•	+	•	-	+	•	$\dashv$	•	_
fini Data Systems	-		-+		-	-	+	-	$\rightarrow$	+	-	+	-	-
fini-Computer Business Applications, Inc. (MCBA)	+-	•	-	-	$\dashv$	-+	+	+	$\dashv$	+	-+	-	$\dashv$	
fini-Computer Support Group		•	-	+	-	-	+	+	-	+	+	-		-
fini-Computer Systems Inc.		_	+	•		-	1	+	-	-	$\dashv$	+	-	-
lini-Max Inc.			•		+	+	+	+	-	-	+	+	-	
finicomputer Modeling Inc.		•			+	+	+	-	+	+	+	+	-	-
finingham & Oellerich, Inc.	•	•	•	•	+	+	+	+	+	1	+	+	-	-
finistry Management Systems			_	•	+	-	+	+	+	+	+	+	-	-
finnesota Information Systems Corporation														

CAMP COMPUTER SERVICES IN	NDEX	(	SERV	UTE	R	PRO	CESS	ING	PI	TY	SSIN PE	G	COM	MOT	E IN
COMPANY NAME	SERVICES AVAILABLE	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Misco				•			•		•						Г
Mitre Corporation		+-	$\vdash$	•	_	Н	_		Ť	-					-
Mnemonics Inc.			•	•	•			-	-						
Mobius Division		+	•	•		-		-	-		-				
Modern Computer Systems Corp		+-	•	_		-	-	_	$\vdash$			-	Н		H
Modular Computer Systems, Inc		+	•			-			$\vdash$	-	-		Н		-
Modular Information Systems, Inc. (MIS)		+	•		-	$\vdash$	Н	-	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H
Modulus Data Systems Inc			-		-	-	$\vdash$	-	$\vdash$	-	-	_	Н	$\vdash$	H
Molecular Design Ltd.		+		-	$\vdash$	┢	-	$\vdash$	$\vdash$		$\vdash$	$\vdash$	Н	-	H
Monchik-Weber Corporation			•	•	•	$\vdash$	-	-	$\vdash$	$\vdash$	-	-	-	-	H
Money Management Systems, Inc.		-	•	•	•	$\vdash$	-	$\vdash$	$\vdash$	-		-	-		H
Montgomery Data Systems Inc.			۳	-	-	$\vdash$	•	-	•	-	-	$\vdash$	$\vdash$	$\vdash$	H
Moore Data Systems Inc.		+	-	-	•	-	-	$\vdash$	۳	-	-		⊢	-	H
Multibank Computer			$\vdash$		۳	-			•	-	-		$\vdash$	-	H
Multicept Corporation		+-	$\vdash$		$\vdash$	-	Ť	$\vdash$	-	-	-		$\vdash$	-	H
Multiphase Data Systems, Inc.		+-	$\vdash$	Ť	•	-			-	-		$\vdash$	$\vdash$	-	t
Multiplications, Inc		+			-	$\vdash$	$\vdash$		-		$\vdash$	-	$\vdash$		H
Multitask, Inc		+	•	-	-	$\vdash$	-	-	┢	$\vdash$	-	-	$\vdash$		t
Mutual Data Inc.		•	•			•		-	$\vdash$	$\vdash$		•		$\vdash$	t
Mycroshare, Inc.		Ť	•	۰	Ť	Ť	Ť	-	$\vdash$	-	Ť	Ť	ř	$\vdash$	t
Mylee Digital Sciences, Inc.		+-	-	+-		$\vdash$	-	$\vdash$	$\vdash$	+		$\vdash$	$\vdash$		t
NCA Corporation					-				$\vdash$		-		$\vdash$		t
NCI		+	•	1	$\vdash$	-	Ť	$\vdash$	$\vdash$	1		Ť	$\vdash$	Ť	t
NCNB Corporation			Ť	$\vdash$	+	$\vdash$	$\vdash$	$\vdash$	┢	$\vdash$	$\vdash$	+-	$\vdash$	$\vdash$	t
NCR Corporation Data Centers		•			+			-	✝		-	+	$\vdash$		t
NDX Corporation		+-		$\vdash$	-	-	Ť	$\vdash$	1	$\vdash$	1	$\vdash$		+	t
NLT Computer Services			Ť	•			•	$\vdash$	-	_	1	$\vdash$	$\vdash$	-	t
NMF Inc.			+	Ť	+-		Ť	$\vdash$	$\vdash$	+-	1	$\vdash$			t
NMG Systems Inc.		+			+	Ť	$\vdash$				-	$\vdash$	1	1	t
NSA, Inc.		+-	۲		$\vdash$	$\vdash$	1	$\vdash$	+-	$\vdash$	$\vdash$	+			t
NAB Software Services		+			1	1									Ť
Nabu Manufacturing Corp.		1				1	1	1		1					T
Natek Corporation			_	Ť	1								1		Ť
National Bancard Corporation				1								1			Ť
National Bank of Commerce				$\top$	1			1							Ť
National Billing Systems, Inc		•	_	1									T		Ť
National Business Systems, Inc.				1	1	1				1		1	1		Ť

CAMP COMPUTER SERVICES INDEX		SERV	PUTE	R	PRO	MOD	SING E	Pl	ROCE TY	SSIN PE	€G		MPU1	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
National Computer Analysts Inc.	•		$\vdash$	Ė		•				•	•	_	-	H
National Computer Network of Chicago, Inc.	-	•	•	-	•				•		片	•	•	-
National Computer Systems, Inc.		-	-	•	H	•						-	-	-
National CSS, Inc.	-			_	6		-	-	-		Н	•	•	
National Data Communications	Ť	-		•	Ť	Н	-		-	-		_	-	F
National Data Corporation	•	-	•	•	•	•	•		-	-	-	•	•	
National Database Software, Inc. (NDS)	+-	•	•	Ť	Ť	Ť	-					_	-	۲
National Datacentre Corp.		•	•		•	•	$\dashv$					•	•	⊦
National Dynamics, Inc.	•	•	•		•	ä	$\dashv$	•		-	-	H	6	Н
National Economic Research Associates, Inc.	-	-	Ť	_	•	Ĭ	-1	-	-		-	H	-	┝
National Evaluation Systems, Inc	+-		•		Ť	Н					Н	-	-	$\vdash$
National Information Systems, Inc.	-	•	Ť		•	$\vdash$	•		-		-	•	Н	+
National Information Utility	•	Ť			Ť	Н	-		$\dashv$		-	_	Н	-
National Integrated Software Services Inc	$\top$	•	•		Н		$\dashv$		$\dashv$	-	-			-
National Planning Data Corp	•				•		_			_			-	•
National Real Estate Exchange		•					$\neg$		-		$\neg$			Ť
National Sharedata Corporation	•				•	•	•		$\neg$			•	•	•
National ShareGraphics, Inc.		•		•	•	•	•		$\neg$	•	•	•	a	•
National Systems Analysts Inc.						-			$\neg$			Ť		Ē
National Systems, Inc	•	•		•			$\neg$	$\neg$						
National Training Systems							$\neg$					-		
Nationwide Computer Services	•						$\neg$							
Nelson & Bauman, Inc	•			•	•							•		
Neoterics, Inc.		•	•				$\neg$		$\neg$		$\neg$			Г
Neshaminy Valley Information Processing Inc. (NVIP)	•						$\neg$		$\neg$					
Nestar Systems Inc. Palo Alto ICS Division														Г
Network Communications International			•											Г
Network Computing Corporation	•				•	•	$\neg$	•			•	•		Г
Network Consultants, Inc.		•												П
Network Data Base Systems, Inc			•											
Network Data Processing Corporation	•	•			•	•	$\Box$	•			•	•		•
Network Technology Inc.		•	•											
New Century Freight Traffic Association	•						_]				$\Box$			
			•								$\Box$			
New England Management Services Inc New Systems Inc														

AMP COMPUTER SERVICES INDEX	,	SER	PUTE	R	PRO	CESS	ING	PI	TY		G	CON	MOT IPUT	IN
SERVIC AVAILAE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Nichols & Company Inc.		•	•		•	•							•	r
Nicolet Cad Corporation	-	۲	Ť	•	Ť	-					$\vdash$	-		r
Nielsen, A.C. Company		$\vdash$		-		•	-			_	$\vdash$		-	H
Nixdorf Computer Software Co.			+-	$\vdash$	ř	Ť	H			_		$\vdash$	_	t
Noesis Computing Company		Ť	+		┢	$\vdash$				_	$\vdash$	$\vdash$	_	t
Nordata, Inc.					$\vdash$						$\vdash$			t
North American Controls (NAC)		۲	۲		$\vdash$	$\vdash$		-		_	$\vdash$	$\vdash$		t
North American Processing		+-	+-	-	$\vdash$			-	Н	_	Н	-	-	t
North County Computer Services		-	+-	1					-		$\vdash$		-	t
Northeast Computer Systems, Inc		Ť			-			-		_		Ė	-	t
Northeast Data Systems Inc			Ť		1									t
Northeast Datacom Inc.		•	•	•	•	•		$\vdash$		•	•	•	_	t
Northeastern Systems Associates Inc.			•	•	•	•		•	•	•	•	•	•	t
Northern Consolidated Industries, Inc. (NCI)		1		$\vdash$	$\vdash$									İ
Northern Numbers, Inc.														İ
Northwest Analytical Inc.			1	•				Π						Ī
Northwest Computer Services, Inc.					•	•				•	•	•	•	Ť
Northwest Keypunch	•				Г							Г		Ī
Northwest Management Services, Inc.	•			T	Г	•					•	•		Ī
Nu-Comp Systems, Inc.					•	•	•	•			•	•		T
Numerax, Inc.	•				П	•								I
Numeric Computational Systems		Т	•		Г									I
Nyplan Inc														I
OAO	•		•	•										
OBS Software			-		L			L				L		1
ODS Systems, Inc.			-	•							L.			1
OEM Data Systems, Inc.														1
OK Data Services	•	_		-		•		•						1
OR/MS Dialogue, Inc.		•	_	•		•		_				•	•	1
Oak Software			-	_	1		-	-				_		1
Oasys Inc (Office Automation Systems)		•		-	-	-	-	-		_	-	-		1
Occidental Computer Systems, Inc.			_	•						-		•	-	1
Occupational Computing Company, Inc.		•	-	•	-	-			-		-	-		+
Oceanic Enterprises Inc. Suite 2601		-		-		•		-	-		-	-	-	+
OCTO Ltd	•	_		•	-	-		-	-		-	-		+
Odin Datasystems	•	1					_	-				-	-	1

CAMP COMPUTER SERVICES INDEX		COM SER	PUTI VICE	R	PRO	MOD	SING E	P	ROCI	ESSI PE	NG		EMO MPU	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Office Manager Inc., The	+	•		Ė	$\vdash$			$\vdash$	_				$\vdash$	H
Office Services Inc. (OSI)	•	۳	•	$\vdash$	•	•	-	-	$\vdash$	-	-	•	•	•
Offset Composition Services	•	-	Ť	-	Ť	-	-	-		-	Н	-	_	۳
Offutt Publishing	•		+		•	-		┢		-		•		
Ohio Valley Data Control, Inc.		-	$\vdash$	-	÷	•		-	$\vdash$	-		•	•	H
Oil Data Processing Co		$\vdash$	$\vdash$	-	Ť			-				-	-	-
Oil Industry Computer Services Inc.	•		$\vdash$		Н			-		$\vdash$	Н	-		$\vdash$
Olamic Systems Corporation	•	•			•	•	•	•	-	-	Н	•	•	
Olympic Systems Inc	1	•	$\vdash$		-	-	-	Ť	_			-	Ť	Ť
OMIKRON	$\top$	•	$\vdash$		┢			Н	$\vdash$	-			$\vdash$	-
Omni Computer Services			$\vdash$	•	$\vdash$	•	_	•	_			Н	-	$\vdash$
Omni Resources, Inc	+	•			_			Ť					Н	-
Omni-American	_			•				г			_			
Omnibase Corporation		•			Г								_	
Omtool Corporation	$\top$	•			$\Box$		П					П		$\vdash$
On-Line Accounting Systems Inc.		•	•	•										
On-Line Business Systems Inc.		•			•		•					•	•	$\vdash$
On-Line Computer Systems, Inc.	•				•		_					•	_	
On-Line Data Processing	•	•	•		•							•		
On-Line Software International		•	•						П					
On-Trak Data Systems Inc.	•	•		•										Т
Online Computer Library Center Inc. (OCLC)		П	•	•	•							•		•
Online Databanc Inc.	•													_
Opcode, Inc		•												
Open Systems, Inc.														
Operating Systems, Inc.		•	•	•										
OPOC Computing Inc.	•					•					•			
Optipro, Inc. ORBIS Inc.		•	•											
	•	•	•	•	1115									
Oregon Software, Inc. Organic Software		•												
		•												
Orr, Ken & Associates Orr, Stewart P. & Associates	-	•	•			_								
Orr, Stewart P. & Associates Overfelt Company, Inc.	-	•												
Oxford Software Corporation	•	•	•		•	•	_	•		_		•		
P K Systems Inc.	-	•		•			_							

CAMP COMPUTER SERVICES INDEX		COMI	PUTE	R	PRO	CESS	EING	P	ROCE TY	SSIN PE	G	CON	EMO:	TE
SERVICE AVAILABL COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
P-Stat, Inc.			$\vdash$											T
PAC Systems Inc.			$\vdash$		$\vdash$			Т	$\vdash$	-	$\vdash$			t
PBM Systems Inc		•	•	$\vdash$	$\vdash$	•				•	•	-	-	t
PBS Computing		Ť	Ė	•			$\vdash$	•		Ė	Ė		•	t
PCI Systems				Ť	-	Ė		Ė	-	-	_	Ė	-	t
PCS Data Processing Inc.		+	•	•			_	-	_	$\vdash$	$\vdash$	•		t
PDPS Computer Services			1	•	Ė	_		-			$\vdash$	-		t
PHD Systems for Computing Inc.			•	-	$\vdash$					$\vdash$	$\vdash$	_		t
PM Computer Services Co.			-	•	$\vdash$		_					$\vdash$	$\vdash$	t
PMS Systems Corporation				-		_	_	$\vdash$	$\vdash$	$\vdash$	_	$\vdash$	$\vdash$	t,
PRC Public Management Services, Inc		Ť		$\vdash$	Ť			-	_			$\vdash$	$\vdash$	t
PRC Realty Systems, Inc.			Ť				-	$\vdash$			$\vdash$	-		t
PRS - The Program of the Month Corporation				•	$\vdash$		_	_				$\vdash$		t
PSA, Inc		+	Ė	1		•	•	$\vdash$		•	•	•	•	1
PSI Energy Software			$\vdash$	$\vdash$	Ė	-	Ė	$\vdash$		Ė		H		t
PSI-MED Corporation		•			$\vdash$					-	-			t
PACE Applied Technology Inc.				$\vdash$				$\vdash$						t
Pace Computer Systems					$\vdash$					$\vdash$	$\vdash$	_		t
Pacesetter Systems, Inc.				Т	$\vdash$							$\vdash$		t
Pacific Computer Systems	•		•	Т	•	•	•	•				Г	•	t
Pacific Data Systems			•	•										T
Pacific Management Systems Inc				Т	T	$\overline{}$						$\Box$		Ť
Pacific Software Services Co.					T		Г	Т				Г		t
Pactel Inc			•											T
Palanter Inc.		Т												T
Pan American Systems Corporation		Т	•	•										T
Panatec Inc.		•	•							Г				T
Panda Systems, Inc.														Ι
Pansophic Systems, Inc.		•												
Pantechnic Inc.		•												1
PAR Technology Corporation			•											
Para Data, Inc.		•	•	•						L				1
Para Research		•												1
Parallax Systems		•	-	_										1
D'. Y			1		1			1				1		1
Paramin, Inc. Park Avenue			-	-	-	-	-	-	-	-	-	-	+-	+

CAMP COMPUTER SERVICES INDEX		SI	MPL ERVI	CES	R	PRO	CESS AODI	E	P	ROCE TY	PE PE	VG	CON	EMO 1PU1	UNC UNC
SERVIC AVAILAI COMPANY NAME	ES SILE		SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Parker & Associates		t	•									Т	Г		
Pascack Data Services		+	•	•	_	_							H	_	-
Pascal Development Co.		-	-	•						-	_		┢	-	-
Path Systems, Inc.		+	•	Ť							-		_		Н
Pattern Analysis Recognition (PAR)		+	$\top$	•		-				_					Н
Pattern Systems of NJ, Inc.		,	•	•	•						_	$\vdash$	$\vdash$		Г
Patton Consultants, Inc.		t	•	•	-								$\vdash$		Г
Pax Systems		+	•				_								Н
Pay-Fone Systems, Inc.		1	$^{+}$			•	•							_	H
Paychex Inc.		,	$^{+}$	_		Ė	•					$\vdash$	-	$\vdash$	H
Payday DBA The Payroll Co,Inc		+	$^{+}$									-	•	•	-
Payment and Transfer Services, Inc. (PATSI)		,	+				•		•	-	_		Ť	-	H
Payment Systems Inc.		+	$\dashv$	•					_	$\vdash$	-	Ė	$\vdash$	-	H
Payne, Bruce Consultants Inc.		t	•				-	-	-	-					$\vdash$
Paynter, E. F. & Associates		+	•					_				$\vdash$	_	_	$\vdash$
Payroll Procedures		1	-				_	$\vdash$		$\vdash$	_				Н
Peachtree Software Inc.		+	•			Н	-	_	_		-				Н
Pearl Data Systems		+	•		•	_		-	-			-	-	-	-
Pearlsoft		+	•	•	Ť	Н			$\vdash$			_	-	_	H
Peat, Marwick, Mitchell & Co.		$^{+}$	$\rightarrow$	•		_			$\vdash$		-	-	-	$\vdash$	H
PECA Associates of Idaho		,	•	•		•	_		•		_	•			H
Pegasus Systems Associates Incorporated		+	-	•		-	_		-	-	_	F	-		H
Pekin Insurance		+	•	-		Н	_		$\vdash$	$\vdash$	-		-	_	H
Pelam Inc.		1	$\dashv$			_	•	$\vdash$	_		•	•	$\vdash$		H
Pentamation Enterprises Inc.		,	$\dashv$	_		•	•	•	-		-	Ť	-		H
Peoples Trust Bank Data Services Division		1	•	•			•		•			$\vdash$	-		Н
Perception Technology Corp		Ť	$\top$		•				_						Н
Peregrine Systems Inc		T	•												Г
Performance Systems, Inc.		1	•	•						-					
Personal Systems Technology Inc		1	•												
Personnel Data Systems, Inc.		1	•			•			•				•		
Personnelmetrics, Inc.		,	•			•							•	•	Г
Petroleum Data Corporation		)			•										
Petroleum Software Systems		1	•	•	•	•	•					•	•		Г
Petroleum Software, Inc.			•	•											
Pharmaceutical Card Systems, Inc.							•								
Pharmacon			-1		•	•	•	•			•				1

AMP COMPUTER SERVICES INDEX	(	SERV	UTER	R	PRO N	CESS.	ING	PE	TY	SSIN PE	G	COM	MOT	E INC
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Pharos, Inc.	•	-		Ė	•		•	•		_				•
Phase One Systems Inc.	+-			$\vdash$	-	Ĕ	Ť		_				-	ř
Phoenix Computer Corp.	-	-						-					-	
Phoenix Computing Services		-	-		-	•	-							H
Phoenix Data Processing	-	$\vdash$	-	$\vdash$		•	-	-				-	_	H
Phoenix Systems, Inc.	Ť			•	-	Ť	-	$\vdash$	Н			$\vdash$	$\vdash$	H
Photo Data Inc.		•	•	-	-		$\vdash$	$\vdash$	$\vdash$	-		$\vdash$	-	H
Physicians Practice Management Inc	-	•	•	•	•		$\vdash$	-	$\vdash$	-			-	H
Physics International Company	-	•		-	۳			-		$\vdash$	-	۲	-	H
Pillan Data Service		•	•			•	$\vdash$		$\vdash$	-	Н	$\vdash$	•	t
Pinkerton Computer Consultants	+	-		Ť	۳	-		Ť	-	$\vdash$	-	$\vdash$	Ť	t
Pioneer Software, Inc	+			•	$\vdash$	-		$\vdash$	-	$\vdash$		1	-	t
Planmetrics Inc.			•	Ť		$\vdash$	$\vdash$		-				$\vdash$	t
Planning & Control Inc.	Ť	-			-	-		Ť	+-		Ť	-		t
Planning Research Corporation			•	-	$\vdash$			$\vdash$	-			$\vdash$		t
Plansmith Corporation		1	-			-		1		$\vdash$	_	•		t
Players Computer		+		Ť								T		t
Plus Computer Technology	+-		+	1	$\vdash$	$\vdash$						$\vdash$		t
Plycom Services				_	$\vdash$		1	$\vdash$				$\vdash$		t
Point 4 Data Corp.			$\vdash$		✝	-						T		t
Poise Company Inc.	$\top$			$\vdash$	T	1	T			$\vdash$				T
Police Data Systems			$\vdash$		t	1	Т	1	$\Box$	Т		T		T
Policy Management Systems (PMS)				T			$\vdash$					T		T
Polymorphic Computer Systems	$\top$		$\top$	T	T	Т	$\vdash$				Т	Г		T
Poorman-Douglas Corporation			$\top$					Т		П		Г		Ţ
Potomac Scheduling Company	$\neg$			Т	Т		Т	П	Г	П	Г	Т		T
Powell, Marcus Associates					T		Г	Т						Ι
Power Management			Т		Т		T	Г	T					Ι
Practical Business Systems Inc				Τ							L	L		
Practical Management Consulting, Inc.	•	-	-								•			1
Praxa Corporation	•		_											1
Precision Visuals, Inc.	•											1	_	1
Prestige Software Analysts, Inc			-				_	$\perp$	-	_		L		1
Price Waterhouse & Co.				+	1	-		-		1	1	_	-	1
Prime Factors		•	_						1	1	1		-	1
Princeton Software Co, The		•	-		1					-		-	1	4
Pritsker & Associates, Inc.														

CAMP COMPUTER SERVICES INDEX	C	OMP SERV	UTE ICES	R	PRO	CESS 10DE	1NG	PI	TY		G	CON	MOT IPUT	E ING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Processing Center Inc., The		-						Н	Н			Н	П	Г
Processing Management Systems (PMS)	-				Н	-			-	-		$\vdash$		
Processor Innovations	+	•	•	-	Н	_				_		⊢	-	
Prodigy Systems Inc.	+-	-	-	•	Н	_				_		$\vdash$	$\vdash$	-
Product Group, Inc.	+-		•	•			-	-		_		┢╾	_	
Productive Computer Systems	•	•	•	•		Н			_	_		-		
Professional Billing Corporation	•	Ť	-	Ľ	$\vdash$	•	-			•	•	$\vdash$		H
Professional Business Industries Inc	Ť	•	-	-		ř	$\vdash$	-		Ť	Ĭ	$\vdash$		H
Professional Business Software	+	•	-	-	-	$\vdash$	Н	-	_		-	-	$\vdash$	$\vdash$
Professional Computer Solutions Inc.		•	•	$\vdash$		•	$\vdash$	$\vdash$	-	_			$\vdash$	+
Professional Computer Resources, Inc.	+-	•	•			Ť	_	$\vdash$	Н	-		-		Н
Professional Computer Services		•	•	•	•	•			$\vdash$	_		•		H
Professional Computer Systems	-	+	-		•	Ť	-			•	•	•		Т
Professional Consulting Services of Georgia Inc	-	$\vdash$	•	-				_						Г
Professional Credit Association			-	$\vdash$		_		_						r
Professional Data Management			•			-						_		Г
Professional Data Services		$\vdash$	•		•	•		$\vdash$						Г
Professional Data Systems	-	•		•	Ė			$\vdash$						Г
Professional Geophysics Inc.	•	$\vdash$			$\vdash$			$\vdash$	$\vdash$		_			
Professional Health Research			•		-			$\vdash$			-			Г
Professional Hospital Services		$\vdash$			•			$\vdash$		•	•	•		r
Professional Programming Systems		•		$\vdash$						_				Г
Professional Systems Corporation	•		•			•				-				Г
Profimatics Inc.	_		•						-			$\Box$		Г
Profit Control Systems		_		•							-			Г
Profit Group, The		•	•	•										
Profitool, Inc.		•		•								•		Г
Proform Software, Inc.		•		Г	Г			$\vdash$				Г		Г
Program Control Corporation	1		•	•					•					Г
Program Design Inc.	T	•												
Program Systems, Inc		•		•										Γ
Programatics, Inc.			•											
Programmed Control Corporation				•										
Programmed Systems Inc		•												
Programming Services, Inc.			•											L
Programs & Analysis, Inc.	•				•	•		•			•		•	
Project Software & Development, Inc.					•	•						•	•	ľ

CAMP COMPUTER SERVICES INDEX	(	SERV	TICES	R	PRO N	CESS 4ODE	ING	PI	ROCE TY	SSIN PE	G	CON	MOT IPUT	E IN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Promedics Data Corporation		•		•										
Proprietary Computer Systems, Inc.		•	•		•	•								ī
Proprietary Software Systems, Inc.		•												Ī
Proteus Systems Inc.	•				П						$\overline{}$			Ī
Proximity Devices Corporation	_	•		_						Т		Г		ī
Pryor Corporation				•	•			_				•		Г
Psych Systems, Inc	$\top$			•				_		_				ī
Pugh-Roberts Associates, Inc.	_		_	-	-		_			_	-			r
Pulsar Systems Inc		•	•	•	•			•		•	•	•		r
Punch Card Processing Co.		1-		-				-		-	-	-		r
Puter Associates		•		•	•		$\vdash$	•				$\vdash$	•	H
Ometrics, Inc.			•	•			Н	$\vdash$				$\vdash$		r
QUAD Corporation	_		•					$\vdash$						r
Ouadra Systems		•	•	•	•					$\vdash$		•		r
Quadrex Corporation	+	•	•					$\vdash$				┢		r
Quadstar Corporation		$\vdash$	•									$\vdash$		r
Quality Educational Development	$\top$	$\vdash$	•		$\vdash$			-	-	-	_			r
Quality Systems	$\top$						$\vdash$	$\vdash$	_	_	_			r
Quanex Management Sciences					$\vdash$		-	_	$\overline{}$		$\vdash$			r
Quanta Data Processing Inc.		$\vdash$	$\vdash$		•	•						•		r
QuanTeckna Research Corp			<del>                                     </del>	$\vdash$	$\vdash$						$\vdash$	$\vdash$		r
Quantitative Software Management, Inc.		•		•	$\vdash$			Т			$\vdash$			r
Quantum Computer Services					•	•	$\vdash$	$\vdash$	_	$\vdash$		1	•	r
Ouantum Research	_		Т	•	$\vdash$		-	$\vdash$	_	_				r
Quark Engineering	_							$\vdash$	-					r
Quasar Systems Inc.			•		•							•		Γ
Quest, Inc.		•												Г
Quic-N-Easi Products, Inc.		•			1									Γ
Quick-Tax Ltd		•												Γ
Quill-Tronic Systems		•												Γ
Quodata Corporation			•	•								Γ		Γ
Quotron Systems Inc.			•											Γ
R.A.I.R.				•	•							•		ſ
R.D.P. Computer Services		•	•	•	•	•							•	I
R&B Computer Systems			•											Γ
RAC Information Systems					•			Γ						1
RAI Business Systems Inc			Т	•	Т			Π				Γ		Γ

CAMP COMPUTER SERVICES INDEX			PUTE		PRO	CESS MODI	ING E	P	ROCI	ESSIN PE	iG	CO	MPU1	TE TING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
RCO Corp	+	•	F		⊢			Ě	-	-	-	-	_	-
RD Labs Inc.	_	•	$\vdash$	$\vdash$	H			-	-	$\vdash$	-	⊢	-	H
RDA, Inc.		•	⊢	•	⊢			-	-	-	_	├-		⊢
RLG Corporation		•	•	•				•	H	•	•	•	-	H
RNAA Software Systems		-	-	-	-			-	$\vdash$	-	-	۳		H
ROH	-	-	-	-	-	Н	-	-	-	-	-	⊢	-	H
ROI Consulting Inc.	-	-	•	├	-			$\vdash$	-	-		$\vdash$	-	H
RTC Systems, Inc	+	•	-	-	$\vdash$			├	H	$\vdash$	-	-		H
RTR Software	-	•	┢	$\vdash$	H			$\vdash$	H	-	_	⊢	-	H
RWB Associates	-	•	•	•	•	-	-	⊢	H	-		•	•	H
Racal-Redac, Inc.	-	-	-	•	•			H	-	H	-	•	•	H
Radian Corporation	-	•	⊢	-	-	Н		├-	-	H	-	-	-	⊬
Radio Computing Services Inc.	•	-	$\vdash$	•	⊢			⊢	$\vdash$		-	⊢	-	⊢
Radix Systems Corp.		⊢	┢	-	$\vdash$			$\vdash$	H	-		⊢		$\vdash$
RANAC Computer Corp.		•	-	-	⊢	-		⊢	$\vdash$	-	-	├-	-	H
Rand Information Systems, Inc.	•	-	•	-	•	•	_	├	$\vdash$	H	⊢	├	-	-
Rand Systems Corp	-	•	-	$\vdash$	-	ч		-	$\vdash$	H	$\vdash$	⊢	$\vdash$	-
Randco Keypunch Service		-	┝	$\vdash$	•	-		$\vdash$	Н	$\vdash$	-	┢	-	$\vdash$
Randolph Technical Services, Inc.		$\vdash$	•	$\vdash$	-			$\vdash$		H	-	$\vdash$	-	H
Rans Micro Systems, Inc		•	-	$\vdash$	$\vdash$		Н	$\vdash$	$\vdash$	⊢		-		-
Rapid Data Inc.		-	-		•	•		$\vdash$	$\vdash$	⊢		-		$\vdash$
Rapidata, Inc.	-	•	•	-	-	-	-	$\vdash$	$\vdash$	-	-	$\vdash$	-	H
Rath & Strong Software		•	•	-	-			-	$\vdash$	H		-		H
Rath & Strong Systems Products, Inc	+	•	•	$\vdash$	-		-	┝	-	$\vdash$	$\vdash$	-		-
Rational Data Systems (RDS)	-	•	-	-	⊢		-	$\vdash$	$\vdash$	_	-	-		$\vdash$
Raven Systems and Research, Inc.		۳		$\vdash$	$\vdash$		•	Н	-			$\vdash$	-	
Raxco Inc.					$\vdash$		Ť	-	_		-	⊢	-	-
Reader's Digest Services		•	Ť	Ť	$\vdash$	-		$\vdash$				$\vdash$		$\vdash$
Ready Data Service Inc.	•	Ť			-	•	-	-				$\vdash$	-	-
Real Estate Data			-		$\vdash$	•		-			•	$\vdash$		
Real Estate Information Tracking Systems		•		•					_		Ť			Ť
Real Time Services	•	•	•	1	•	•		•			•	•	-	H
Reality Software Company		•	•	•										-
Realtron Corporation	•			•	•					•	•	•		•
REAP Inc.	•			•		•	-							Ť
REC-CHEK, Inc.		•												
Redshaw Inc.		•										_		

AMP COMPUTER SERVICES INDEX	•	SERV	TCES	R	PRO	CESS 4ODE	ING	PI	TY	SSIN PE	G	RI CON	MO1	E
SERVIC AVAILAE COMPANY NAME	ES ES ES ES ES ES ES ES ES ES ES ES ES E	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
Rehab Group Inc.			•					П				$\vdash$		r
Reiter Software Systems Inc			Ť	Н	Н		-					$\vdash$		H
Relational Database Systems, Inc		•	•										-	-
Relational Software Inc.		•	Ť		-									-
Relational Systems International		•		-		-	-							H
Relational Technology, Inc.		•		$\vdash$	$\vdash$	-					_	$\vdash$		H
Remasco Inc		•		$\vdash$	$\vdash$						_	$\vdash$		H
Remote Business Services Inc.		•		-	┢	-	-	$\vdash$			_	$\vdash$	-	H
Remote Computing Corporation		۲	-	-	•	•	Н					-		ŀ
Rendeck Corporation			•		Ť	Ť	Н	-		Н	_	$\vdash$	-	H
Republic Airlines, Inc		•	Ť	•	$\vdash$	-	Н				$\vdash$	-	-	t
Republic Service Bureau Inc		Ť	$\vdash$	Ť	•	•					$\vdash$		•	t
Republic Technology Corp Systems Division		•	•	•	•	•		$\vdash$	_	_	_	$\vdash$	•	t
Resource Software International, Inc.											$\overline{}$	$\vdash$		t
Resource Systems, Inc.											$\overline{}$			İ
Response of Hawaii, Inc.	•	•	T		•							•		T
Response Technology Inc.		•						Г		$\vdash$		T		t
Retail Information Systems, Inc.			$\vdash$	•			-							T
Retail Merchandising Service			•					_						T
Reuters North America	•				•			Π						Ī
Reveal Software, Inc														Ī
Revere Technology				•										Ī
Reynolds & Reynolds Company, The	•			•										Ī
Rhintek, Inc.	•	•	•											
Richardson I. Lawrence & Associates, Inc		•												
Roanco Associates														L
ROCI, Inc.	•			•	•	L						•	_	
Rockford Research Inc		•												
Rockie Smith Enterprises Inc. (RSE Inc)	•	_	_	_	_						_			1
Rocky Mountain Software Systems		•						_				-	_	1
Rocliff Associates, Inc.		_		•	_	_	_	-		_	-	_		1
Rodin Industries, Inc.	•	-	-	-	_	•		•						1
Roncom Systems Inc.			-					-		-	-	-		1
Roshell Ivri Software Company				-	-	-		-	_	-		-	_	1
Ross Systems Inc.	•	-	•	•	•	-		•	-	-		•	-	+
Ross, Robert H. and Company Inc Rothenberg Information Systems Inc.	•		-	_	-	•	-			_		-		1

AMP COMPUTER SERVICES INDEX		SER	PUTE	R	PRO	CESS MODI	SING E	P	ROCI	SSIN PE	IG	CON	EMO IPUI	TE FING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Rubel, Andrew & Associates		•	•									Г		Г
Ryan-McFarland Corp.		•	•									$\vdash$	-	1
Ryan, Donald & Associates Systems Consultants	•	•	•										_	
S & H Computer Systems Inc		•										_		T
S.D.I.		•										_		T
S-Tek Computer Services, Inc.	•					•		•				Г		T
SAB, Inc.		•							_			Г		$\vdash$
SAI Systems Associates			T	•								Т		$\vdash$
SAS Institute, Inc.		•	T		-				_			Т		$\vdash$
SBD Computer Services					•	•						•	•	
SD Transport Services, Inc		•	Т											
SDA Federal Systems			•											
SDK Medical Computer Services Corporation					•	•				•	•	•		
SDPS	•	•	•	•	•					•	•	•		Т
SEI Corporation	•		•	•	•		•			•	•	•	•	
SEI Information Technology			•				•							
SESA Inc.		•	•	•								Г		
SESA-Honeywell Communication, Inc.				•										Г
SIC Systems Inc.			•			П								Т
SJV Data Service Inc.	•	•	•	•	•	•							•	
SPSS, Inc.		•				П								
SREA Market Data Center Inc		•			•					•	•	•		
SRS Programming Reserve Inc.														
SSM Microcomputer Products Inc		•												
SST, Inc.		•												Г
STC Systems, Inc.				•										
STR Corporation				•										
STS, Inc.			•		•		•							
STSC, Inc.		•	•		•			•		•		•	•	•
Sachs/Freeman Associates Inc.			•											
Saddlebrook Corporation														
SAFECO Title Insurance	•									•	•			
Safecom Inc.	•			•	•									
Safeguard Business Systems, Inc.	•													
Sage Data Inc.	•				•						•	•		
Sage Systems Inc.														

IP COMPUTER SERVICES INDEX		SERV	UTE	R	PRO N	CESS IODE	ING	PI	ROCE TY	SSIN PE	G	CON	MOT	E
SERVICES AVAILABLI COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
g Business Systems, Inc.		•						Г						
ellite Computing, Inc.		•										Г		Г
ellite Software International(SSI)														Г
irn Software Inc.		•	•											
ırn Systems, Inc.		•										Г		Г
nders Software, Inc.		T	•			•		•						Г
ings Management Computer Corporation		$\vdash$	T		•							•		Г
tec			•		T	•	Г	•						Г
aeffer Analysis			T		$\vdash$	$\vdash$		Г		Г	1			Γ
eduling Corporation of America		T	•		$\vdash$	Т								T
ulstad, Myers & Associates Inc			$\vdash$	•	T	T								T
ultz Instruments Inc.		Т										Γ		Γ
Pro Inc.		Т										Г	-	Γ
ence Applications, Inc.								Г		Г		Г		Γ
ence Dynamics Corporation		$\vdash$				•		Г				Г		Γ
ence Management Corporation					Т		•	Г	Г	Г	П	Г		Ι
entific Computers Inc.			Τ	Г	Т			Г				T		Ι
entific Information Retrieval, Inc.				•		П		П						Γ
entific Process & Research				•	•	Г		Г		П				Ι
entific Software Corporation		•	•									T		Ţ
entific Systems Services Inc			•	•	T	Т								Ι
ipps Data Systems, Inc				T	Т		П	Г	П	Г		Γ		I
lly Data Systems				Т		Т		Г				•		Ι
first Computer Service				Т	Т	•								
urities Industry Automation Corporation											L			I
alia Computer Services, Inc.			T	T								L		1
lak, J.P. Associates	•													1
litz Enterprises, Inc.										1		1	-	1
s Pros, Inc.	•			-						_		1		1
scom Delta, Inc.	•						L	-			-			1
sdata Services, Inc	•	_									1			1
smic & Digital Concepts Inc	•			_	1	1	_		1		1	$\perp$	_	1
smic International Research Corp	•	_		_	1_	_	$\perp$	1		1	1	$\perp$	_	1
smic Processors, Inc	•	-		1	1		1	1	$\perp$	-	1	1	-	1
smograph Service Corp.	•	_						-	-	_	1	1	-	1
anar Corp							1	1	-		1	1	-	1
anar Corp nsible Software		•					İ			L		t	1	

CAMP COMPUTER SERVICES INDEX		OMI SERV	UTE	R	PRO!	CESS	SING E	P	ROCE TY	SSIN PE	iG	RI CON	EMO 1PU1	TE TING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Sentry Data Inc	+									_	_	-	_	Н
Sercon Corporation	+-	•	-	Ť	Н			-		_	Н		_	-
Serendipity Systems	+	•	$\vdash$	Н	$\vdash$		-			_	Н			-
Service Card System	+	-		Н	-				Н			-	_	H
Service Software Inc.	+	•	Ť	•	-				-		-		$\vdash$	H
Shaes & Co	+		$\vdash$	Ť	-		-		Н	_	-		_	-
Shaker Computer and Management Services		Ť	•			•		•	•				•	•
Shales & Young Information Systems, Inc	+	•	Ť		Ť	Ť			Ĕ	_			_	-
Shared Medical Systems Corporation		_	-	•	•	•	$\vdash$	-			Н	$\vdash$		H
Shared Resources	+	•		•	-	Ť	-	-				-		-
Sharp, I.P. Associates Ltd	•	•	•	-	•		-		•		-	•	_	•
Shasta General Systems	+	Ť	-	•	-		$\vdash$	$\vdash$		-	Н	-	_	-
Shaw Data Services, Inc.		-				Н	-	-		•	•	-	_	•
Shaw Systems Associates Inc	+	•	-		Ĕ		-			_			$\vdash$	-
Shawmut Bank of Boston, NA Computer Services Dept.	•	-		$\vdash$	•	•		•		_	-		$\vdash$	H
Shear Development Corporation	+-	•	•		-	H		-		-		-	-	-
Shriver, R., Associates	+	•	Ť	-	$\vdash$		$\vdash$		-			-	$\vdash$	H
Shuford Data Services		Ť	$\vdash$	$\vdash$	-	•				_	$\vdash$	-		H
Siegel Software Services	+-		•		-	Ť			-	_	Н		-	-
Sigma Research Associates	+-	_	•	•	$\vdash$	Н	$\vdash$	-			$\vdash$	-		H
Sigma Software, Inc	+	•	Ť	Ť	$\vdash$	Н	$\vdash$	-			-		_	H
Signal Technology, Inc	+		$\vdash$	-			-						H	H
Silicon Valley Systems Inc.	+	•			$\vdash$		-					$\vdash$		-
Silton Data		Ť		-			-			•	•	•	•	H
Simcon Inc.				•	•	-	•			Ť		-	ŭ	H
SIMPLAN Systems Inc (SSI)		•	•	•	•		Ť			_	-		_	H
Simple Soft Inc			•	-	-							-	$\vdash$	Н
Simulation Sciences	1													
Sipos, Andrew			•							_				
Sistemas Inc.			•											
Small Business Data Processing Corporation		•	•	•	•	•	•					•		
Small Business Information Systems Inc		•										Ė		
Small Business Machines, Inc.		•												
Small Business Mangagement Systems Inc		•												
Small Business Systems Group		•	•	•										
Small System Software					5	1								
Smart, Inc		•	•	•		•	•							

AMP COMPUTER SERVICES INDEX	(	SER	PUTE	R	PRO	CESS MODI	SING E	P	ROCE	SSIN PE	G	CON	EMO IPUT	E
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABACE
SMITES Group	$\top$							Г						Г
Smith Data Processing	+-		-		-	-	-	┢	_			$\vdash$		H
Smith, A.O. Data Systems Division				-	-	-		-	-		-	$\vdash$		H
Smith, C.D. Company	+	•	Ť	-		-		-		-	-	$\vdash$		H
Smith, Dennis & Gaylord	+	•		•	-	$\vdash$		$\vdash$		-	_	$\vdash$		H
Smith, G.A., Inc.			-	•	•									1
Smyth Business Systems	-	•		-		•		-	Н		_	-	-	H
Social Systems, Inc. (SSI)	-	•	-	-		-		$\vdash$			_	H		H
Soft Pro Systems, Inc	+	•		-		$\vdash$		$\vdash$			-	$\vdash$	-	H
Soft Corp International, Inc	+	•		$\vdash$	Н			$\vdash$	-			├		ŀ
SofTech Microsystems Inc	+	•				-	-	$\vdash$	-		-	┝	-	H
SofTech, Inc.	+	•	•	-	-	-	-	$\vdash$	-	H	-	-	-	H
Softlink	+	•	-	-		$\vdash$	$\vdash$	$\vdash$		Н	_	$\vdash$		H
Softmatics Corporation	+-	•		-	Н			$\vdash$	-	$\vdash$	_	$\vdash$		H
Softool Corporation	-		-	-					-	-	-	-	-	H
Softsel Computer Products, Inc	+-	•	-		-	-	-	-	-	-	-	┝	-	H
SOFTWARE '70	+		-		-			$\vdash$	-	-		⊢	-	H
Software Ag of North America, Inc.	+	•	⊢	$\vdash$	$\vdash$	-	-	-	-	-	-	-	-	H
Software Arts Inc	+-	•	⊢	$\vdash$	-	-	-	-	-	-		$\vdash$		H
Software Authority, The	+	•	$\vdash$	-	-	-	-	-		-		-		H
Software Clearing House, The	+-	•	$\vdash$	$\vdash$	-	-		-	-		-	-	$\vdash$	+
Software Connections, Inc	+	•	$\vdash$	⊢	$\vdash$	-		-		-	-	-	-	H
Software Consulting Services	+	•	•		$\vdash$	⊢	-	-			-	-	-	H
Software Corporation of America	+	•	-		$\vdash$	$\vdash$	-	-	-		-	-	-	H
Software Customizing and Development	+-	•	-	$\vdash$	$\vdash$			-	-	-	-		-	H
	+-	•			$\vdash$		$\vdash$	-	-	_	-	-		H
Software Design Associates, Inc. Software Development and Maintenance, Inc.	+	•	•		$\vdash$	-	-	$\vdash$	-	-	-	-		H
Software Dynamics	-	•		•	⊢		$\vdash$	⊢	-			-	-	H
Software Engineering Associates, Inc.	+	-	•		⊢	-	-	⊢	-		-	-		+
Software House	+		-	-	-	-		⊢	$\vdash$	-	-	⊢	-	ł
Software House	-	•	-					-	-					+
Software Info Services Inc	-	•		-	-	-	-	-				-	-	+
Software Into Services Inc	-	•	-	-	-			-	-			-		+
Software International Inc	+	•	-	-	-	-	-	-	-			-		+
Software Management Systems	+	-	+-		-	-		-	-			-	+	+
Software Module Marketing	+	•		-	+	-	-	-				-	-	+
Bottware intoduce Marketing			10		L	1_				_	_	-	1	1

CAMP COMPUTER SERVICES INDEX	L	COM SER	PUTE	R	PRO	MOD	SING E	P	ROCI	PE PE	NG	CO	EMO MPU	TΕ
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Software Publishing Corporation	╀	0,2	₽		F	F		H		-		-	-	-
Software Pursuits, Inc.	+	•	+	_		$\vdash$	-	-	-	-		⊢	-	H
Software Research Corp.		•		_	_	-	_	-	-	H		-		L
Software Resources	-	•	•	•	-	•	-	⊢	-		•	-		H
Software Sciences, Inc.	۳	•	-	-	ч	-	-	-	-	-	-	<u> </u>	•	H
Software Services	+	•	⊢	-	Н		-	$\vdash$	-	_		-		H
Software Shoppe, The	+	•	-	-	Н	-		-		_		H		H
Software Solutions Inc.	•	•	•	•	Н		-	-	-			-	-	H
Software Solutions, Inc.	+	-	-			-		-				-		-
Software Store Ltd.	+-	•	-				-	-		_		-		+
Software Systems Associates	+-	-		-	Н							H	-	H
Software Systems Inc	+	•	-	H	-	-						-	-	L
Software Systems Inc.	+	•		-	Н			-	Н	_	Н	H	-	-
Software Techniques, Inc	+-	•	•	Н	Н			-	Н	_	Н	<del> </del>	-	H
Software Technology for Computers	+-	•	Ĕ		Н	-					Н	-	-	H
Software Works Inc.	+	•	•	-	-	-		-	-		Н	-		H
Softworks, Inc.	+	•	Ť		-	Н	-	-	-		-			H
Solar Data Services Ltd.		-	-		-	•		•	-	-	-			H
Solid Software Inc	+-	•	-	-	-		Н	_			Н	=		H
SOLVation, Inc	+-	-	_	•	-	Н	Н	-	Н	-	Н		-	-
Sophisticated Data Research, Inc.	•	•	•			-	-	-		-	-			H
Sorcim Corporation	+-	•	-	_	-	-	Н		-	-		=	_	-
SOTA Computer Systems	+	•					-	-			-			
Source Data Systems, Inc.	+	•	•	•			-		-	-				_
Source Data, Inc	+	•	•	=		Н	$\dashv$		-	_				
Source Telecomputing Corp.		•	-	ŭ			$\dashv$	-		-	-			
South Hills Computer Center Inc.	•	•		•	•	7	-	-			-			
Southern Computer Systems, Inc.	+-	•	•	•		-	$\neg$			$\dashv$	$\dashv$	-	_	-
Southwest Modular Systems, Inc.		-	_	•			-	$\dashv$		-	-	-	Н	r
Southwest Software Services Inc		•		-										
Southwestern Computer Services					•			•						
Southwestern Computing Service	•				-	•	-	•	•			_		
Space Age Computation Systems		•	•						-		-			f
Space Age Computers Inc.	•			•			•							
SPAN Management Systems	•	•	•		•	•		•		•		•	•	-
Specialized Computer Services Inc.	•		ŕ	$\dashv$	7	•		•		-	•	-	-	-
Specialized Computer Services Inc.					•			•	-	-	-	-	•	-

CAMP COMPUTER SERVICES INDEX		COM	PUTE	R S	PRO	CESS	ING E	P	ROCE TY	SSIN PE	G	CON	MO1	IN
SERVICI AVAILAB COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATARASE
Specialty Automated Services		•	•	•	П									Г
Specialty Computer Services Inc.				•	•	•	•			_		•	•	r
Spectra Medical Systems, Inc.		1	Ť	•			Ť				_	Ť	Ť	
Spectrogram Corporation			+	-								-		t
Spectron Corporation		+-	+		•	•		•				•		H
Spectrum International Inc.		1		1	Ť	Ť						Ť		H
Sperry Univac				+-		-	Н	-			-	-		H
Spickler Bookkeeping and Accounting Service		+	۲	+-		•	-	•			$\vdash$	$\vdash$	_	H
Spiridellis & Associates, Inc.		+		+-	•	•	•	ř			$\vdash$	•	•	t,
Sports Data Inc.				•	-	Ť		$\vdash$	-	-	$\vdash$	ř	ř	H
Spring Rock Consultants, Inc		•	+-	Ť		-		Н	-	-	-	$\vdash$	$\vdash$	H
Squire, Buresh Associates Inc			-	-		-	-	-	-	_	-	$\vdash$		H
St. Joseph Bank & Trust Company-Trust Software Div.		-	-	-				$\vdash$		•	•	$\vdash$	$\vdash$	H
St. Joseph Systems				-	•	-	-	-		_	-	$\vdash$	•	H
Standard & Poor's Compustat Services Inc.	-	+-	+	+-	Ť	•	-	$\vdash$		_	-	-	ř	t
Standard Systems, Inc.			+		-	-	-	$\vdash$			-	┢	-	H
Stanford Engineering Corp.		•	-	Ť	-	$\vdash$		⊢		-	-	$\vdash$		H
Star Computer Systems Inc		•	-	$\vdash$				$\vdash$			-	-		H
Star Inc			_	$\vdash$	$\vdash$	$\vdash$		$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	H
Star Value Software			_	$\vdash$	$\vdash$	$\vdash$		$\vdash$	$\vdash$	$\vdash$		$\vdash$	-	H
Stat-Tah		-	+	$\vdash$	$\vdash$		-	$\vdash$		$\vdash$	$\vdash$	$\vdash$	-	H
State of the Art Inc				$\vdash$	$\vdash$			$\vdash$	$\vdash$	$\vdash$		$\vdash$	$\vdash$	H
State Space Systems Inc.			_	$\vdash$	┢	-	-	-	-		-	-	-	H
State Space Systems Inc. Statement Service Company		-	+	╁	┝	•		•	-	H	-	-	-	H
Station Business Systems		+	+		-	-	-	-	-	-	-	$\vdash$		H
Statistical Financial Systems		+		-		•	-	⊢	-	$\vdash$		•	$\vdash$	H
Statistical Financial Systems Statistical Tabulating Corporation		+	-		-	•						-		H
Stephens-Nelson Computer Center		-	+-	-	-	•			-	-	-	-		+
Sterling Software, Inc.			-	+	-	-				-	-	-		+
Sterling Software, Inc. Sterling Systems		_	_	•	-		-			-	-	-		+
Stix Financial Services			1	-	-			-		-			-	t
Stockholder Systems Inc.				1	1		-	-						t
Stone & Webster Management Consultants Inc.		-		-					-	-	-	-		+
Stonehenge Computer Systems, Inc.				•	•							-	•	t
Stoner Associates, Inc.			_	1	Ť	_		۲			-	-	-	t
Stoneware, Inc				+	╁	-	-	-			$\vdash$	-	-	+
Strata Search Processing Co., Inc	-	-	+	+					-	-				+

AMP COMPUTER SERVICES INDEX			PUTE		PRO N	CESS 40DE	ING E	PI	ROCE TY	SSIN PE	G		MOT PUT	
SERVIO AVAILA COMPANY NAME	CES BLE	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Strategic Information	•	•	Г	•	•	•						•		
Strategic Office Systems	•	Т			•									Г
Strategic Planning Associates	•				•	•				•	•	•		
Stratmar Systems, Inc.			1						Т					
Structural Members Users Group														
Structural Programming Inc.			•											
Structured Methods, Inc.			•											Г
Structured Systems Group, Inc.		•												
Sullins & Associates		•	•	•	•	•		•			•		•	
Summagraphics Corporation			Т	•										
Sun Country Financial Corporation	•		Т											
Sun Information Services Company		•	•	•	•	•	•	•		•	•	•	•	
Sunbelt Computer Services	•		•											
Superior Data Processing Service	•		•	•	•	•		•						
Superset Inc.		•			Г									
SuperSoft Associates		•												Г
Survey Tabulation Services Inc.	•	•	•		•	•						•	•	
Swiss Colony Data Center, Inc.	•		T			•		•			•			
Sycom	•		T	•										
Sygnetron, Inc Protection Systems Division			•											Г
Syncsort Inc.														
Synectics Corporation	•		•	•	•							•		
Synercom Technology, Inc.				•										
Synergetics Corporation		•												
Synergos, Inc.		П		•										
Syntel														
Sysco Inc.	•					•		•						П
Syscom, Inc.		•												
SYSCON Corporation			•											
Sysorex International Inc.				•										
Systar Corporation		•	•											
Systech Inc.		•		•	_									
System Automation Corporation			•	•										L
System Communication Corp	•	-	-	_	•	▣	_	•		_		•	•	•
System Development Corporation	•	•	•	_	•		•		•	_	•	•		•
System Integration Associates				•										

CAMP COMPUTER SERVICES INDEX		SERV				MODI		P	ROCE TY	SSIN PE	G	CON	EMOT 1PUT	E IN
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
System Science & Software (S3)		$\vdash$			•			Т		•		•		Г
System Support Software, Inc.	+	•		$\vdash$	-			Н		Ť		Ť		
System-Kontakt, Inc.		•												
Systematics, Inc.		۲												Г
Systematics, Inc.	-	•	•											
Systemhouse Ltd.	_	•	•	•				$\vdash$	Н	_		$\vdash$		H
Systems & Consulting Services Inc.	_	•	•	•				H	H			$\vdash$		H
Systems & Software, Inc.	-	•	•	-	-	-	-	$\vdash$	Н	-	-	┝		H
Systems and Applied Sciences Corporation (SASC)		۰	•	•	Н			$\vdash$				$\vdash$		H
Systems and Computer Technology Corporation	•	$\vdash$	•	-	Н		•	$\vdash$			_	⊢		H
Systems and Programming International Inc.	-	•	•	•		•	-	⊢		-		⊢		H
Systems and Programming Resources Inc.		•	•	•	•	-	-	$\vdash$	H	$\vdash$	-	•	-	H
Systems and Software Inc.	-	-	•	•	-	-	-	├-	-	-	-	-	H	H
Systems Architects Inc.		-	•	•	•	•		-		_	_	•		H
Systems Associates Inc.	-	-		•	-	-	-	$\vdash$		-		-	-	H
Systems Control Group		$\vdash$	•	_	$\vdash$	$\vdash$		-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H
Systems Control Group Systems Control Technology, Inc	+	•	-		⊢		$\vdash$	⊢		-	$\vdash$	⊢	-	H
Systems Coordination Inc	+	•	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$			$\vdash$	-	-	H
Systems Data Inc.	+	-	┢	•	$\vdash$		$\vdash$	$\vdash$			-	$\vdash$	-	H
Systems Data Processing Corporation			•	•				$\vdash$	-	$\vdash$		$\vdash$	•	H
Systems Data Processing Corporation Systems Data Processing Corporation San Jose	-	•	-	•	-	-		⊢	$\vdash$	$\vdash$	-	H	-	H
Systems Design & Development Corporation	-	•	-	-	-		$\vdash$	H		-	-	-		H
Systems Designs	+	•	$\vdash$	-	$\vdash$		$\vdash$	-	-	-	-	-	-	H
Systems Engineering Computer Co.		-		•	•	•	-	-		-	-	⊢		H
Systems Group, The	-		•	•	۳	-	-	-	-	$\vdash$	-	⊢		H
Systems Groups Associates, Inc.		$\vdash$	•	-			•	-			-	$\vdash$	$\vdash$	H
Systems Integration, Inc.	-	•	•	$\vdash$	-	-	•	•	-	_	-	⊢	-	H
Systems Integration, Inc.	+	-	-	•	-		H	-	-		-	$\vdash$	$\vdash$	H
Systems Integrators, Inc. Systems Interchange Corp.				-	-	-								+
Systems Management Corporation	-	•	•	•	-			•		-	•	-		+
Systems Management Corporation Systems Management American Corp.	-	-	•	-		-	•	-			-		-	+
Systems Management Inc.			•	•	1	-	-	-			-			t
Systems Network Inc	-	-	-	-			-	-			-	-		t
Systems Northwest, Inc.	-	+-				-	-	•					-	+
Systems Plus Inc		•	•	-	۲	-	+-	۲				۲	-	+
Systems Research Incorporated	-	+-	•	-			-			-	-	•		t
Systems Research Laboratories		1	10	-	-	-	-	1	-		-	۳	-	+

CAMP COMPUTER SERVICES INDEX	9	OMP SERV	UTE	R	PRO	CESS 40DE	ING	PI	TY	SSIN PE	G		MOT IPUT	
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Systems Software International Inc. (SSI)	$\top$	•	•											
Systems Software Technology	1		•											г
Systems Solutions		•												г
Systems Specialists, The	+	•												
Systems Strategies, Inc.	+-	•	•	•									_	
Systems Support Software, Inc.	+	•												г
Systems Technology	$\top$		•	•										Г
Systems Technology Automated Resources Inc	$\top$	•												Г
Systems/Software Engineering	$\top$	•												Г
Systonetics, Inc.		•		•	Г									Г
Systran Commercial Corp	$\top$	•			Г							П		Г
Systronics Inc.	•	•	•			•		•						
Sytech Corporation														
T & B Computing Inc.	•	•	•	•	Г								_	
TCP Data Processing Services						•								
TCS													_	Г
TCS Software Inc		•										Г		Г
TKS Corporation	$\top$			•										Г
TLS Company		$\vdash$		•	•	•		$\vdash$					•	
TMI Systems Corporation		•	•			-								
TRW Information Services					•					•	•			•
TSC		•		•	•			Т				•		
Tabershaw Occupational Medicine Association		•	•		•		•					•		
Tabs Inc.			•			•				•	•	•	•	Г
Tabulating Services Bureau, Inc.			•		•	•		•		•		•	•	Г
Tag Inc.	Т	•	•											Г
Tagg Associates	Т													
Tailored Data, Inc	Т	•												
Talisman Security Systems, Inc				•										
Talmadge Hal & Associates	•													
Tandem Computers Inc		•												
Tandy Corporation		•												
Target Software, Inc		•												
TASC		•												
TASCO				•										
Taurus Software		•												L
TaxLogic		Ė												

CAMP COMPUTER SERVICES INDEX		SER	PUTE VICES	IR S	PRO	CESS MODI	SING E	P	ROCI TY	ESSIN PE	G	CON	EMO MPUT	ΓE
SERVIC AVAILAI COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Taxx. Inc.								Г						T
Taxxon Data Services Corp.											-		-	t
Tech Products, Inc			-	-			-	-		-		-	-	+
TechDyn Systems Corp		۳	•	-	-		-	-	-	-	-	-	-	+
Technalysis Corporation			•	-	$\vdash$	-	-	$\vdash$	-	-	-	$\vdash$	+	t
TechnAssociates, Inc.		۳	•	-	-	-	-	$\vdash$	-	-	-	$\vdash$	$\vdash$	t
Technical Advisors Inc.		$\vdash$	-		•	-	-	-	•	-	$\vdash$	•	$\vdash$	t
Technical Advisors Inc. Technical Analysis Corporation (TAC)		•	•	•	۳	-	-	-	Ť	-	-	۳	-	t
Technical Support Associates Inc.		•	-	-	$\vdash$		-	$\vdash$	-			-	+	t
Technical Systems Consultants Inc. (TSC)		-			$\vdash$		-	-	-		-	$\vdash$	-	t
Technical Systems Consultants Inc. (180)			-	-	•			$\vdash$	-	-	-	├	╁	t
Technics, Inc	-	•	-	-	-	-	-	$\vdash$		$\vdash$	-	-	-	t
Technology Development of California		۳		-	-	-	-	$\vdash$		$\vdash$	-	⊢	+-	t
Technology Industries		•	۳	$\vdash$	-	-	-	$\vdash$		$\vdash$	$\vdash$	⊢	-	t
Tekkon Computer Services		•	-	-	•	$\vdash$	-	•		$\vdash$		•	-	t
Teknekron Financial Systems		•	-	-	Ť			۲			-	-	-	t
Teknowledge, Inc		Ť	•	-	-	-	-	-	-	$\vdash$	$\vdash$	-	$\vdash$	t
Tel-A-Data Inc.		$\vdash$	•	-	•	-		•					+-	t
Telaccount Inc.		•		+	Ť	$\vdash$	-	ř		$\vdash$		Ť	$\vdash$	t
Teldata Systems Corporation		•	۱Ť	•	$\vdash$	•	-	-	-	$\vdash$	-	┢	$\vdash$	t
Tele-Equip		Ť	$\vdash$	-		Ť		$\vdash$	-		•			t
Telecheck Services Inc.			$\vdash$	$\vdash$	-		-			-	-	-	$\vdash$	t
Telecommunications Management Corp.		$\vdash$		$\vdash$	$\vdash$	-		$\vdash$		_		$\vdash$		t
Telecomputing Corporation of America		$\vdash$	$\vdash$	$\vdash$								Н		t
Telecredit, Inc.		$\vdash$	$\vdash$	$\vdash$				$\vdash$	1			$\vdash$		t
Teledyne Exploration Company			Т					$\vdash$				$\vdash$		t
Telemanagement System, Inc.				•					$\vdash$			_		t
Telemar Group, Inc.					•			•	$\vdash$	Т				t
Telephone Computing Service, Inc.		•		•										T
Telerate Systems Inc.	•				•									İ
Telesis Corp				•										I
Telesoft		•		•										I
Telic Services Corporation		•												I
Telos Computing, Inc.		•	•	•										I
Telstat Systems, Inc.	•	•	•	•										I
Temple, Barker & Sloane, Inc (TBS)											1			ſ

AMP COMPUTER SERVICES INDEX	9	OMP SERV	UTE	R	PRO N	CESS 10DE	ING	PF	TY	SSIN PE	G	COM	MOT PUT	TE TNG
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
TERA Corporation	_	•		•										Г
Ferminal Applications Group		Ť	$\vdash$	•		-		-			Н			$\vdash$
Terrano & Associates, Inc	+	•			-			Ē	-	_		-	_	
Tesseract Corporation		•			•					_				1
Texas Instruments Inc.						•		П						-
Thermeon Corporation		•			•	•	•			•	•	•		
Theta Business Systems	$\pm$													
Theta Computer Systems	+	•	•	•										T
Theta Energy Management Systems														Г
Thomas National Group, Inc., The						•								
Thomas, Laguban & Associates	+		•											
Three PM Inc. (3 PM)		T	•	•						Г				
TICKETMASTER Corporation				•										
Ticketron, Inc.		П		•	•		•			•	•	•	•	
Tidelands Data Systems						•								
TIM-Formation, Inc.		•	•		•			•				•		
Timberline Systems		•												
Time Sharing Resources Inc.	•		•									•		
Time Systems Inc		•												Γ
Time-Sharing Systems Inc.					•	•								
Timesharing Consultants Inc.		•												
Timesharing Techniques Inc.														Γ
Tiny Systems Inc.														
TOMINY, Inc.			•	•										
Tomorrow Systems, Inc		•												
Tone Software Corporation														
Tosc, International			•											
Total Environmental Systems Computer Division		•	•		_	•				•				L
Total Systems, Inc.		•	_	•								_		L
Touche Ross & Company		_	•											L
Touchette Corporation	•		•		•	•	•					•	•	L
Tower Systems, Inc.	-				-	-					-			-
Trac Line Computer Corp Trail Blazer Systems Inc.	-				-						-	_		-
Transaction Control Industries	•		0	0	•			-	-			•		-
Transaction Control Industries Transaction Data Systems	-	•	•	•		-		-						-
												1		

AMP COMPUTER SERVICES INDEX	(	OMF	UTES	R	PROC	CESSI	ING	PF	TY	SSIN PE	G	COM	MOT	E
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
Translog Services, Inc.	$\top$	•						Г						Г
Transportation Concepts and Services	_			_										Γ
Transportation Management Services		F		-	Н					_	_			Г
TransUnion Corporation	-	$\vdash$		•	•	•		-		_	$\vdash$			٢
TransUnion Credit Information		-		-	6					_				1
TRES Computer Systems, Inc.		•	•	$\vdash$	d						_	•		Г
Tri-Star Data Systems		Ť	Ť	-	6		_	Н		-	$\vdash$	•		r
Triad Systems Corporation	+-	+		•	Ť	-	-	$\vdash$	Н	_	-	-		r
Triangle Software Company			-	-	Н	Н		$\vdash$						r
Trinco, Inc.	•	•	$\vdash$	-	Н	Н	•	-						t
Triplex Computer Services, Inc.		Ť	-	$\vdash$	-	•	Ť	1	$\vdash$	•		Ť		t
TriStar Business Systems, Inc		+-	$\vdash$	•	-			-		Ť	-	$\vdash$	$\vdash$	t
TronCorp	+		-	-	-			-	-		$\vdash$	-		t
Tru-Check Computer Systems		۲	+-		•	•		┰	-			┢	-	t
Trusco Data Systems			-		•	•		$\vdash$	-	-	$\vdash$			t
Trust Management Systems, Inc.	-			╁	Ť	Ť		$\vdash$		_		-	-	t
Tudor Systems			Ť	•			_		-			-	_	t
Turnkey Distribution Systems, Inc	+	Ť		•	$\vdash$		-	$\vdash$	$\vdash$			-	_	t
Turnkey Information Processing Inc	+	+-		•	-		$\vdash$	+		$\vdash$	-	$\vdash$	-	t
Turnkey Interactive Management Systems		+	+	•	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$		t
Tylus Systems Inc.		+		Ť	-		$\vdash$	┼			-	$\vdash$		t
Tymshare, Inc.					•	•	$\vdash$	•					•	t
U.S. Software	- -			Ť	Ť	-	$\vdash$	Ť	Ť	Ť	Ť	Ť	Ė	t
U.S. Trust Co. of New York Computer Services Division		-		$\vdash$			$\vdash$		$\vdash$		$\vdash$		•	t
USS Engineers and Consultants, Inc.	-					•					$\vdash$	•		t
Ulrich, Walter E. Consulting	+-	Ť		Ť	Ť	Ť	Ť	+	1	-	$\vdash$	+	1	t
Ultimacc Business Systems	_	+	Ť		t	-		+	$\vdash$	_	$\vdash$			t
Ultradata Corporation	+		$\vdash$			1		$\vdash$	$\vdash$	$\vdash$	$\vdash$	t	1	t
Unbounded Computing		•		-				1				1		t
UNI-COLL Corporation		_	•	Ť	•	•							•	t
Unicorn Systems Company	1		_		1			1						Ť
Unilogic Ltd	-		_		1			1				1		†
Union Data Corporation		-			1					T	1			t
Unique Automation Products										1		1		T
Unique Information Systems, Inc.				T										1
Unitech Systems, Inc					1									1
United Computer Service, Inc.	•					•		1	T	Г				1

	_	SER	VICE	5	- 1	MODI	E		ROCI TY	PE		CON	4PU1	TΕ
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
United Information Services Inc	•	•		-		Н								
United Software Corporation	Ť	-					Н	-				-		-
United States Computers Inc.					•	•	Н	-		•	•		•	Н
United Telecom Computer Group			Ť	-						_	Ť	•	•	•
Univair Inc.		-			-		Н							ř
Universal Data Inc.	•	_	•	•	•	•							•	H
Universal Data Systems Inc.			•	•										
Universal Design Systems, Inc.			•											Г
Universal Information Systems Inc.	•			-		•		•						Г
Universal Software Associates, Inc			•	_										Г
Universal Software Inc.		•									_			Г
Universal Software Studios		•			Н						$\neg$	-	-	
Universal Systems of America	•	•												
University Computing Company	•	•		•	•	•						•	•	
University Software		•										-		
University Software Systems		•												
Up-Time Systems, Inc		•												
Urban Data Processing	•	•			•	•					$\neg$		•	
Urban Decision Systems Inc.					a	$\dashv$				$\dashv$		•	-	
Users, Inc.	•			•	1	•	$\neg$				-	-		_
Utica Computer Services, Inc. (UCS)	•	•		•		•	$\neg$	•			•		$\dashv$	_
Utility Computing Services, Inc.	•	•	•	•		•					Ť	-	$\dashv$	_
VM Software, Inc		•						-					-	_
VR Data Corp.	Н	•	$\vdash$	•		-	$\dashv$		$\dashv$		$\dashv$			_
VSE Corporation	•				•	•	$\neg$					•	_	_
Valencia Computer Service		•								$\neg$	$\neg$	-	$\dashv$	-
Valid Logic Systems Inc.				•							$\neg$		$\neg$	_
Value Computing, Inc.		•									_	_	$\neg$	_
Vanguard Computer Systems, Inc.			•	•			$\exists$				$\neg$		$\neg$	_
Vantage Computer Systems, Inc.	•	•	•	•	•	•		•						•
Vector Graphic Inc.		•												-
Vector Systems Inc		•												Ī
VenturCom Inc.		•												Ī
Vertex Systems Inc.		•												Т
VESOFT Consultants Vetrol Data Systems Inc.		•	•											

SERVICES AVAILABLE	SING	RODUCTS	ERVICES	S	4G		TENT	EN		ERING				
COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	BATCH	FACILITIES MANAGEMENT	FACILITIES MANAGEM	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH
Victorex Inc.		•		•	•			┪	$\neg$					
Vidmar, Stanley	+	Ť		•	Ť	Н	Н	+	$\dashv$		Н	Н		
Viehmann, Rowe Associates		-	•	Ť	$\vdash$			+	$\dashv$		Н	H		
Vining-Sparks Securities, Inc		•	_	-	$\vdash$			7	$\dashv$			_		
Virginia Computer Services Inc.	•	Ť		Н	•	•		$\dashv$	$\dashv$					
Virtual Systems, Inc.	+	•	•		۲	Ŭ	Н	+	$\dashv$	•			Ť	
VisiCorp	+-	•	-					_	$\neg$			-		
Vista Computer, Inc.	•	•	•	•			$\vdash$	$\dashv$	$\neg$				•	-
Vital Computer Services International, Inc.	•	•	•	Ť		•	$\vdash$	-	•				Ť	•
Volt Delta Resources Inc.	•	Ť	Ť		Ť	Ť	$\vdash$	-			П		-	Ť
Wachovia Services Inc.	•	Н	$\vdash$		Н	•	-	1				Н		$\vdash$
Wakefield Software Systems Inc. (WSSI)	Ť	•	•	•	-	-	-	-						$\vdash$
Walker Interactive Products	+	•	Ė	_	-			_						
Walsh, Richard M., Associates Inc.		•	•	•				$\neg$	•					
Warner-Eddison Associates, Inc.		•			-	•		$\neg$	П			Т		
Warrington Associates Inc.		•	•		•	$\vdash$		_					•	
Washington Computer Services	+	•			1		Т	┪						
Waters Business Systems, Inc.	T	•	•		$\vdash$	$\vdash$	Т	$\neg$		$\Box$				
Watson, Steach & Company					$\vdash$	Т	Т							
Watts Computer Services Inc					•	Т	$\overline{}$						•	Г
Wayne Computer Center Inc.	•	-		•	•	•	Т					Т	•	Г
Weidenhammer Systems Corp.		•	•			Т								
Weidner Communications		•	•		Г	Г						Т		
Wells Fargo & Company	•				Γ		П							
West Florida Data Processing		•			•	•	Τ	$\neg$				П	Г	•
Western Business Computers Inc		•												
Western Data Corporation		•	•		•								•	•
Western Geophysical Company of America						•				•				
Western Information Systems	•			•	•									
Western Micro Systems		•		•										
Western Union Corporation	•				•									
Westinghouse Advanced Systems Technology	•	•	•											
Westinghouse Electric Corporation	•	•	•	•	•	•							1	
Westinghouse Electronic Systems Division		•		•								_	1	-
Westinghouse Information Services	•	•	_	•			-				1	-		•
Westinghouse Learning Corp. Westinghouse Strategic Operations Division		•		•	•	•				_	•	•	1	-

CAMP COMPUTER SERVICES INDEX	L		PUTE VICE		PRO	MOD	SING E	P	ROCI	ESSI!	₩G	CON	EMO IPU	TE TING
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
WESTLAW Division	•	$\vdash$	$\vdash$		•			-			•	$\vdash$		•
Westley Modern Methods			+-	$\vdash$	-	_	Н	$\vdash$	-	-	_	H	-	-
Westware Inc	+-		+-		-	-		$\vdash$		_	-	⊢	-	$\vdash$
Whalen Computer Services, Inc.		-	$\vdash$	•				H	_	-	Н	•	-	H
Whelan Associates, Inc	+	•	$\vdash$	-	-	ř	Н			$\vdash$		-	_	H
White, Bob, Computing and Software Inc.	•	•				•	•			•	•	•	-	$\vdash$
White, Glenn L. Company		-			Ť	•	Ť	-		Ť	H	Ť		Н
White, Robert F. and Company		-	Ť		Н		$\vdash$	•			Н	Н	_	H
Whiteside Associates, Inc.	+-	•	+-			ĭ					Н		-	H
Whitesmiths, Ltd.	+	•	+-				Н			-	Н	Н	-	H
Whittaker Medicus	+	Ť		•	-	_	Н	-		-	-	-	_	
WHY Systems Inc	+-	•		_		_	Н			_	$\vdash$			$\vdash$
Wilcox, R.E. Systems Inc		Ė	-			-	Н	-				-		$\vdash$
Wild Hare Computer Systems Inc	+-	•						-			Н	-		-
Williams & Associates	_	•	•	•					-	-	-			-
Williams Automated Management Services, Inc	+	•	Ē	Ť					$\neg$					-
Wilson Micro Systems	+	•								-		Н	-	-
Wincl Corporation, The			•	Н		•		•	•	-	$\vdash$		-	Н
Wisconsin Physicians Service	•			•	•	•			-	•	•			-
Wismer Associates, Inc.		•	•	•						-	Ť		-	Н
Wolf Data Systems								$\neg$			$\dashv$		_	-
Wollongong Group, The	$\top$	•											-	
Wood & Tower, Inc.	+-	•											-	-
Woodward, Ryan, Sharp and Davis													_	-
Word Processing Center											$\neg$			_
Wordtronics											$\neg$			
Worlco Data Systems	•			•		•		•						
World Computer Corporation									$\neg$					_
World Research Systems Ltd.		•												
World Wide Computer Services			•											_
World-Wide Computer Resources, Ltd		•												
Worldwide Chain Store Systems		•	•	•										
Worth, Auger & Associates		•												
Worthen Bank & Trust Co. Computer Services Division						•				•	•			
Wyle Data Services K-Act Computer Service Inc.		•	•		•	•	•			•	•	•	•	•
			•			•		•				_	_	_

CAMP COMPUTER SERVICES INDEX		COM	PUTE VICES	R	PRO	CESS MODI	SING E	P	ROCE TY	SSIN PE	iG	CON	MOT IPUT	E
SERVICES AVAILABLE COMPANY NAME	PROCESSING	SOFTWARE PRODUCTS	PROFESSIONAL SERVICES	TURNKEY SYSTEMS	REMOTE COMPUTING	ВАТСН	FACILITIES MANAGEMENT	GENERAL BUSINESS	SCIENTIFIC & ENGINEERING	UTILITY	INDUSTRY SPECIALTY	INTERACTIVE	REMOTE BATCH	DATABASE
XEDEX Corporation		•	-		Н		-	Н			$\vdash$	H		r
Xener Corporation		•	•	•		-		-						H
Xenex Computer Systems, Inc.		۲	۲	1	1			-						1
Xerox Computer Services	•	•		1	•			•		•	•	•	•	-
Xidak, Inc	-			_	Ť	$\vdash$	$\vdash$	-	1					r
Xybion Corporation		t	•	•	$\vdash$			$\vdash$	•	_		$\vdash$		r
Xybion Medical Systems Corporation			•					$\vdash$				_		r
Yipkon Business Systems, Inc.		•	•	•	•	•	$\vdash$	$\vdash$						r
Zeiler-Pennock			Ť	•	1	Ė	$\vdash$					_		r
Zero-N Systems Inc.	-		$\vdash$	$\vdash$	_		$\vdash$					Г	-	r
3COM Corporation			$\vdash$	$\vdash$								Г		r
		$^{\dagger}$				$\vdash$		$\vdash$						T
		T		1	$\vdash$									T
		$^{\dagger}$	1	T										r
		T	T		Т									T
		$^{\dagger}$			_		Т		_			Г		T
		1			T							Г		T
		$\top$	T	T	$\vdash$	$\vdash$	$\vdash$					Г		t
		$\top$	T			Т								t
		$\top$	T-		Т		Т	Г				$\vdash$		T
		1	T	Т	T	$\vdash$		Г						İ
		1		$\vdash$										T
		1	Т	T	Г		$\Box$	1						t
		$\top$			Т	Т	T	П	Г		Г	Г		T
		$\top$	$\Box$	$\top$			T	Г			Г			Ī
		$\top$	1	T	1						Γ	Г		t
					T	Г	Г	Г	Г					T
					Г			Π	Г					I
					Г									Γ
		T			Т			Т	T					T
								T				Γ		T
						1		T				1		Ť
			1		T	1						1		Ť
				$\top$				T				1		Ť
			1		T		$\vdash$	Т		1				t
	-+	+		+	1	-	-	1			-	1		



## **CAMP INDUSTRY INDEX**

INDUSTRY MARKETS	RING	CTURING	TURING			E		AL		Z	NO	BUTION	T.	ENT	ERNMENT		
	FOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	S	BANKING & FINANCE	CE	MEDICAL & HOSPITAL	NO	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	S	
COMPANY NAME	LAL M	CRET	CESS	NSPO	UTILITIES	NKING	INSURANCE	DICAL	EDUCATION	(AL DI	(AIL D	OLES	LAL GO	ERAL	TE &	SERVICES	OTHER
INAIVIE	10	DIS	PR	TR	UL	BA	SZ	ME	EDI	TO	RE	WH	TO	FEI	ST	SEI	OT
A Supplementary DP Service, Inc.							•									•	•
A.M.S. Consulting Limited	•		•										•	•	•		•
A-Kwick Key Punch Inc.									•								•
AAA Technology and Specialties Company			•		•												•
ABC Computers, Inc.	•	•	•	•			•	•	•	•	•	•	•	•		•	•
Abt Associates Inc	•			•	•	•	•	•	•	•						•	•
ACSC						•											•
ADM Interactive Systems, Inc.								•									
AGS Computers Inc.	•	•	•	_	•	•				•			•	_		•	•
AIS Corporation - Medical Management Systems								•									
AMS Information Inc.												L					•
APL Systems		•	•	•				L	_				0	•			•
AR Mediquest	$\perp$	L					_	•	_			_					•
ARC Automation Group Inc.						•	•			•	•			_			•
ASA, Inc.		•						•		•	•	•					•
ASCC, Inc.	•	•					•	•	•	•			•	_	•		•
ATAC				_	L				_		_	_	•	•	•		•
ATM/Network Management Corp						•											•
AV Products, Inc.		•									•						•
AVP Systems				•	•	•	•	•	•	•	•		•			•	•
AW Consultants, Inc.										•	•	•					•
Abacus Programming Corporation		•	•	Г	Г		Г										
Academic Financial Services Association				Г	П	•	Г	Π	•				•				•
Access International, Inc.						•			•	Г			•		•		
Accountant's Microsystems, Inc.		Т				Г										•	•
Accountants Computer Network, Inc.							Г			•	•		•		•		•
AccounTech Systems, Inc.									•			•				•	•
Accounting Corporation of America		П	П	П	Т	•	Г	Г	Г	•						•	
Accounting Data Service									•			•				•	•
Accounting Systems Corporation	T					•						•				•	1
AccTex Information Systems								•	•	•			•			•	•
AccuSystems										•		•				•	
Accutab Data Processing Inc.			•				•										•
ACES Software											L					•	•
Adams Minicomputer Systems Inc.					I			•		•	•	•					•
Adelie Corporation				L	L											•	1.
Administrative Information System, Inc.										•		•					•
Admins, Inc.															•		

CAMP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
ADPAC Corporation	$\top$					•											•
Advance Data	-			-	$\vdash$	•				-						_	•
Advanced Applications Inc.	+	-	-	•	-	-				_	-	•	-				
Advanced Computer Techniques Corp.		-		•	-	•		•		•		=	_	•	-	•	•
Advanced Computer Management Corp.		•	•	-	-	_		_	_	-		-	_			ŭ	
Advanced Cybernetic Inc.	+-	-	•			-	•		•		•		-	•		•	
Advanced Data Group	+-		•	-	-	-	Ť		•	-		•	-	Ĭ	•	•	
Advanced Data Management		-	-		•	•		•	•	•						•	•
Advanced Data Processing Inc.	+-	$\vdash$	•	Ť	-	•		•	_	-		•	Ť				
Advanced Data Systems Inc.			•	-	-	Ť	Н	•		•	•	•	_		-		
Advanced Digital Data, Inc.		Ė	•					-		•	-	•					•
Advanced Legal Software	+				-							-				•	
Advanced Management Technologies	+	$\vdash$	•														•
Advanced Medical Systems	_							•							_		
Advanced Software Products	+						•					•				•	•
Advanced Systems Applications		_			_	•	•							-		•	
Advanced Systems, Inc.				•	•	•	•	•		•			•	•		•	•
Adventures in Computing, Inc.		•						•		•						•	•
Advertising Distributors of America																	•
ADVO Systems Inc.											•						•
Adwest Corporation		•	•			•		•	•	•	•						
Affiliated Computer Systems						•											
AGAPE Enterprises	$\top$					•				•	•						•
AgriData Systems, Inc																•	•
Agro Systems Corporation	•		•														•
AIMS Management Systems		•		•			•				•		•				•
Aims Plus, Inc.	•	•		•		•		•	•	•	•	•	•	•	•	•	•
AKRA Data Corporation		•															•
Allied Data					•	•	•						•		•	•	•
Allied Financial Services, Inc.						•											•
Allied Information Systems Company						•											•
Allinson-Ross Corporation	•					•				•	•	•	•		•		•
Alpha Beta Data Services, Inc.		•					•				•						•
Alpha Data Services Inc. Alpha Systems, Inc.	-	•									•					•	•
Alpina Systems, Inc. Alpine Data Systems	•			•	•	•	•	•	•	•			•			•	•
Amom Data Processing, Inc.	$\perp$			-			_	-	-		_	_		_			•
Amoor Computer Corporation	-					•			-	•		•			_	_	•
Annoor Computer Corporation							•	•		•	•	•	•	•	•		•

## **CAMP INDUSTRY INDEX**

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
America Resource Consultants, Inc			•														•
American Agency Data Systems			Г				•										•
American Automated		Т				•								_			•
American Computer Center Inc.		Г	•									•					•
American Computer Services, Inc.				•		•		•									•
American Data Services, Inc.		Т			Г	•										•	•
American Dynamic Systems & Services				Г		•	•										•
American Franklin Company Corporation					•	Г	•	•		•	•		•		•	•	•
American Information		Т				•			•		•		Г				•
American Keypunch & Systems		T	1		Т			•		•	•						•
American Management Systems				•	•	Т	•	•	•	•	•	•	•	•	•		•
American Microcomputer Systems and Services, Inc.		$\top$	T				•										•
American Software Corporation										•	•	•					•
American Software, Inc.				•		•	•	•			•	•	•	•	•		•
American Viking Enterprises Inc.			Т													L	•
AmeriTrust Corporation			T	Т	Т					•	•					•	•
Amherst Associates	$\neg$							•									•
Ampersand Corporation			Г		L	•				•		•		L	_	_	•
Amtab Data												•	L	_	_	_	•
Anacomp Computer Management, Inc.							L		L	•		_	•	上	•	_	•
Anacomp, Inc.			Т			•	L	_	•	•		•	•	_	•	•	
Analex Computing, Inc.					L		L.				•	•		_	_	-	
Analogics, Inc.	•		L		L	•	_		L	•	$\perp$	•	-	$\perp$	_	1	
Analysis and Programming Corporation								•	_		_		╙		1	Ļ	
Analysis and Technology, Inc		$\perp$	_			L	L	┖			_	_	•		-	•	•
Analysts International Corporation		_					•		•			•	•	1		•	
Analytics Inc.	•	_		$\perp$	$\perp$	1_	L	_	_	$\perp$	$\perp$	_			-	╄-	
Anstat Business Services	•			_	$\perp$	_	_	1	1		4	$\perp$	-	$\perp$	$\perp$	1	0
Antech	•	1	$\perp$		_	$\perp$	_	1	$\perp$	1	+	4_	$\perp$	_	+-		
Anthem Systems Corporation					1	-	1	1	-		-	•	-	-	+	-	
Application Development System Inc.	•		1			•		-	-	•	-	-			-	+	ŀ
Application Systems International	_						1	-	-	+	+	-	-	-		-	-
Applications Programming Co.			•					_	-	1	-		-	+	-	•	-
Applications Software Inc.		-	1	•		•	•	•	•		-	+	+	+	+		
Applicon Inc.	9	_	_		1	1			-	+	+	+		+		-	lt
Applied Business Systems, Inc.	•	1	,	•	4	•	-	1	-	+	+	+		_		_	-
Applied Business Systems, Inc.	-	+	+	+	+	-	-	+		-	+	+	1	+	-	1	H
Applied Business Technologies Inc.										1	$\perp$	L	L		$\perp$		

INDUSTRY MARKETS		2	ي اع									z			ENT		Г
MARKETS	TOTAL MANIJEACTURING	DISCRETE MANITEACTURING	PROCESS MANUFACTURING									WHOLESALE DISTRIBUTION		L	STATE & LOCAL GOVERNMENT		
	2	F				E		AL.		z	z	BÜ	Е	FEDERAL GOVERNMENT	8		
		3	٤٤	-		12		Ë		2	lΞ	E	Z	N	6		
				TRANSPORTATION		BANKING & FINANCE		MEDICAL & HOSPITAL		TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	ST	TOTAL GOVERNMENT	2	Ğ		
	15	1	3	AT		Ē		$\Xi$		8	E	ā	2	VE	Z		
	Z	2	2	Σ		જ	E	8	Z	E	ST	E	VE	8	ŏ		
CONTRACTO	S	Ė	8	2	UTILITIES	Š	INSURANCE	4L	EDUCATION	Sid	ā	SA	8	1	1 %	SERVICES	
COMPANY	7	1 2	8	SS	H	Ž	R	S	CA	7				8	E	12	ER
NAME	- 15	ĕ		2	E	Z	SI	0	Š	1	Ė	윒	Ţ	ā	AT	N.	OTHER
	- 1	15	<u>a</u>	F	Þ	-	4	Σ	図	Ţ	~	≥	ĭ	E	S	S	
Applied Communications Inc.	_	L	╄	_		•										•	•
Applied Computer Services Inc.	•	1	$\perp$						•								•
Applied Computer Systems		-			_											•	•
Applied Computing Devices Applied Data Research, Inc.	-	-			•												•
Applied Data Research, Inc. Applied Data Systems, Inc.		-		•	•	•	•	•	•	•		_	•			•	•
Applied Data Systems, Inc. Applied Design Company Inc.		•	-	-	_	•			_	•	•	•	•	•			•
Applied Financial Systems		+	•	•	_				_		_	•	_	_	•	•	•
Applied Financial Technology Inc. (AFTECH)	-	-	+-	-	_	•		_	_			_					•
Applied Information Development (AID), Inc.	-	⊢	+	⊢	_				-		-				_		•
Applied Information Management Inc.	-	-	+-	-	-	_	•	-	-	•	-	-	•	_	-		•
Applied Information Systems, Inc. (AIS)	-	-	+-	-	-	•	-	•	-	•	-	-	•		-	_	•
Applied Management Systems Inc.		+	+-	┼	-	Ħ	•	-	•	-	-	-	•	-		_	0
Applied Microcomputer Systems	-	-	+	-	Н	ч	-	-	•	-	-	-	-	-	-	•	-
Applied Systems Associates	+		+	-				-			-	-	-	-	-	-	-
Arbat Systems, Ltd.	_	Ť	+	-	-	•		-	-	-	-	-	-	-	$\dashv$	-	•
Arbitron	_	1	+			-	-	-	_	-		$\dashv$	-	-	-	-	•
Archives Incorporated			+				-	$\dashv$	$\dashv$	-	-	-	-	-	-	•	•
Arcola Software	_		+			•		+	$\dashv$	•	•	•			$\dashv$	-	•
Area Computer Services, Inc.			+				•	•		•	•	•	-	-	-		•
Aregon Group Ltd			$\vdash$	•	•				_	•	-		•	$\dashv$	•	•	•
Argos	•	•				•					_		-	$\dashv$	-	-	•
Arinco Computer Systems Inc.				•		•							_		_	•	•
Arkansas Systems Inc.				•	•	•		•	•	•			T	$\neg$	_	•	•
Arkay Computer Inc.		•		•	•	•		•		•	•	•					•
Arms Inc.				•	•	•	•	•		•		$\top$	•			•	•
Arthur Andersen & Co.		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Artificial Intelligence Corporation		•	•			•			П	•	•				$\neg$		•
Artronic Information Systems Inc. Asist	•		L			•	•										•
					•				$\perp$								•
ASK Computer Systems, Inc. Aspen Computer Services	•	•															•
Asset Data Systems Inc.		-									•						•
Associated Computer Consultants	-	_					•	_	4	_							•
Associated Computer Consultants  Associated Computer Management Specialists, Inc	-		•		•	_	_		4		4		•	•			•
(ACMSI)	•	_			-	-	-	1	4	•	_	_	4	4		•	•
Associated Credit Services		-			_		-	-	-			4	4	4			
Associated Press	•	•			-	•	-	+	-	•	•	4	_	4	+	_	•
		_															•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Astradyne Computer Industries, Inc.	+			Ì	_	•		•		Ì			Ť				•
Atlantic Data Services Inc.	+	-	$\vdash$	-		•		_	-	-	-	-	Н	_	-		•
Auditek Inc.	+	$\vdash$		-		-	Н			-	Н	-	Н				•
Autex Division		$\vdash$	$\vdash$	-			Н				Н		Н	-	-	-	÷
Auto Tell Services, Inc.	+	-		-	$\vdash$	-					•			-	-	•	÷
Auto-trol Technology Corporation		$\vdash$		$\vdash$		$\vdash$					•					•	•
Automated Business Services, Inc.	+		-	•	•			•	•				•	•	•		•
Automated Business Systems Inc.				-	•	•	•	•		•	•	•	•				•
Automated Concepts, Inc.			•	•	•	•	•	•	•	•	•	•	•		•		
Automated Data Associates Inc.										•							•
Automated Design Centers																•	•
Automated Financial Systems Inc.	$\top$					•											•
Automated Medical Associates, Inc.								•									•
Automated Quill Inc.				•							•						
Automated Resource Management Inc.						•				•					•	•	
Automated Resources Group Inc.	•		•				•		•	•	•	•	•		•		•
Automated Science Group, Inc.													•	•		•	•
Automated Systems Consultants	•	•				•		•									•
Automated Systems, Inc.		•								_		•				•	•
Automated Teller Machine Services Group						•											•
Automatic Business Centers Inc.	•			•		•		•	•	•	•		•	•	•	•	•
Automatic Data Processing Inc. Inc.		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
Automation Consultants International	•	L		•	_	_				_	_		_	_			•
Automation Consultants	•	•		•		L	_		_	•	•	•	_	_	_	•	•
Automation Inc.	-	_		-	-		•	_	_		_	•		_	ļ	•	•
Automation Management Services, Inc. (AMS)	•	-		-		-	_				-	•	-	-			•
AutoScript, Inc.								•		•	-	-				•	•
Autumn Software Auxton Computer Enterprises	-	-	-	-	•	•	•	-	-	-			-			-	•
Avar and Associates	-				-	•	-				-				-		•
Avor and Associates Avoc Computer Services			-	-				•			-					•	•
Aviation Information Services Inc.	-				-		-	-						-	-		•
Axios Group				•		•		•	•	•			•			•	•
Axxess Information Systems, Inc.	-			-	-	-	•		•	-		•	-				
Aya Associates Inc. (AAI)									-				•	•			•
Ayers-Whitmore			•														•
Azrex Inc		ŕ				•	•	•	•				•	•	•		•
Aztec Data Processing Inc.											•						•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANIEACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Aztech Corporation	+	11	-	I	2	<u> </u>	=	2	国	I	2	2	Ε	F	S	S	_
B.K. Dynamics	-	-		-		_		-	_								•
BDM International, Inc.		+	<u> </u>	_					_				•				•
BGS Systems	-	+-	_	_		_		_	_				•	•			•
BM Systems				•	•	•	•	•	•			_	•			•	•
BPI Systems, Inc.		•	•	•	•	•	•	•		•		•	•	•	•	•	•
BRS Computing Inc.	_	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BSA Company, Inc.	+	$\vdash$	-	_		•		•	-				_		_		•
BST Consultants, Inc.	+	$\vdash$	-	_	Н	_		-	-	_		_	_			_	•
BST Data Systems Company		+	-	-	Н	-		$\dashv$	-	•		-		_	_	_	•
Babcock & Wilcox Company Computer Services	-		_		•	-	-	-		-		_	-		_	•	•
Baird Petrophysical Group		-				-	-	-	-	$\dashv$	-	-	-	•	-	•	•
Bakco Data Inc.	-		_	-		-	-		-	•	•	•	-	-	-	-	
Baldwin-Deco Service Center	+	Ť				•	•	-	$\dashv$	-	-	-	-	-	-	-	•
BancAids	+	-	-			•	-	-	-	-	-	-	-		-	-	
Bancology	-	1	-			•	•	$\dashv$	$\dashv$	•	•		-	-	-	-	
Bancroft Computer Systems						•	•	•	•	•	•	•	-	-	$\dashv$	•	•
Bank of New Orleans and Trust Company	+	-							-	-	-		-	-	-	-	•
Bankmatic Systems Inc.	+					•	-	-	-	-	-	$\dashv$	-	-	-	-	•
BankWire						•		_	-	$\dashv$	-		-	-	-	-	•
Barkett Computer Services, Inc.						-		-	+	-	-	-	$\dashv$	+	-	•	•
Barrister Information Systems Corp	1				-			+	-	+	-	-	-	+	-		
BayBanks Data Services, Inc.	$\top$					•		+	$\dashv$	-	-	-	-	+	+	-	•
Beck, Thomas Inc.				•	•	•	•	$\neg$	$\forall$	•	-	-	-	+	+	-	•
Bell & Murphy and Associates Inc (BMA)			•					_	_	-	+	+	-	+	-	+	-
Beneficial Computer Services Inc		•				•	•	$\neg$	$\neg$		$\top$	+	-	_	$\dashv$	$\dashv$	•
Bergen Brunswig Data Services Co.							_	•	7	•	$\dashv$	•	-	$\neg$	$\neg$	-	•
Berkshire Bank and Trust Co. Automated Customers				•		•	•	•	-	-	_	•	-	$\forall$	$\dashv$	•	-
Service							$\neg$		_	$\neg$	7	7		-	$\neg$	-	
Berman Associates		•	•	•			•		•	•		•	•	•	•	+	•
Bernhard, Arnold & Co., Inc.						•	•		1	$\forall$		1	1			_	•
BETAC Corporation	•													•	+		•
Better Methods Software Corp								•									•
Bibliographic Retrieval Services Inc.	•			•	•	•	•	•	•				•	7		•	•
Black, David R & Associates, Inc	•			•		•	•	•	•				•	T	$\top$		•
Blackhawk Data Corporation						Ι									1	•	•
Blank, Joseph R., and Associates Inc.	•	•	•			•	•	•		•		•	•		•	T	•
Boeing Computer Services Company	•	•	•	•	•	•		-	•	Т			•	•			•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION		BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION		RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	_	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	_	OTHER
Boise Cascade Computing				•	•	•	•	•	•	•			•			•	•
Bolt Beranek and Newman, Inc.													•	•	•		•
Bonner & Moore Computing Co.	•		•													•	•
Boston Financial Data Services	$\top$					•											•
Boston Systems Office (The), Inc.	•		•	•				•	•				•	•			•
Bowne Information Systems, Inc.					•								•				•
Bradford National Corporation			_			•							•	•	•		•
Brandon Consulting Group, Inc.	•			•	•	•	•	•	•		•						•
Brault, Strauchman Associates								•									
Breen Systems Management Inc. (BSM)		•	•	•			•	•	•	•	•						•
Bridge Data Co.						•	•					_	-				•
Bristol Information Systems Inc.		•	•						•	•		•	•	_	•	•	0
Brokerage Software Systems Inc	1					•								L.			•
Brokerage Transaction Services Inc.	-			-		•			-	•			•	-	•		
Brown Computer Center				-		-			•	•	•	•	•	-		•	•
Brown's Data Processing Service Center		•	•	•	0	•	•	•	•	•	-	-	•	-	-	•	•
Bryce, M. and Associates Inc.	-	-	-	-	-	-	-	•	-	-			•			-	•
Budco Data Systems			-		+				-		•		-	-			•
Budget Computer Systems	-	-	-		-	•				-	-	-			-		•
Budget Timeshare Inc	+	-	-	-	+	-				-		-		-	+		
Burlington Data Processing Inc.			-			-		-	-	•		•			-		•
Burnett, Ed, Consultants Inc.	-	-	-							-		•	-			•	•
Bush, Lloyd and Associates	-			-	-	-	-	-	-			•		-	-	•	•
Bush, Oren & Associates	-	-	-	-	-					•	-	-	•	-	+	•	•
Business and Professional Software, Inc. Business Application Systems, Inc. (BAS)	-	-	-	+		-	-	•	-	-	+	•	-		$\vdash$	1	•
Business Application Systems, Inc. (BAS)  Business Applications Group	-		-	-	+		-	-	-			-			+		-
Business Applications Group  Business Automation Inc.	-			+	+	$\vdash$	-	•	-	•	•	1		$\vdash$			
Business Automation Inc. Business Computer Design	-	-	+		-	+	-	+	-	•	+	•	•		•		
Business Computer Design Business Computer Service Inc.		_								•	•		•		•	•	
Business Computer Service IIIc.  Business Computer Systems Corp.	+	+	1	+	-		1				•	•			1		
Business Controls Corporation		+	+	-	+		•			•					T_		
Business Data Services, Inc.		-	1	+			•		$\vdash$			t				•	
Business Information Products Division		+	+					$\vdash$		•				T_		•	
Business Information Systems Inc.						$\vdash$									T	•	1
Business Programmer Services, Inc.	•						T		•	•	•	•		L	L	•	
Business Service Corporation							•		•	•				L	L	•	
Business Services											T	T		T	T		

CAMI INDUSTRI INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Business Systems Inc.										•	•						•
Business Systems Research Inc.				•	•	-	•	-	-	•	•	•		-	-		6
C.A.C.I., Inc.	+	Ť	-	-	-		-		-		_	_	-			-	-
CCH Computax Inc.		-	-			•							_	-		•	-
CCS		$\vdash$	+	•	$\vdash$	•	•	•	•	•		_				H	8
CDS Systems, Inc.	-	$\vdash$	$\vdash$	-	$\vdash$	-	-	_	_	_		-	_		_	_	3
CFS Inc.		$\vdash$	-				•	•	•	•		-		-		•	-
CGA Computer Associates Inc.	•	+	+-	-	•	•	-		ч	H		-	_			-	-
CGG Data Processing Service Inc	•	$\vdash$			-	-	-	_	-	_		-		-			ä
CIC Data Corp.	-	$\vdash$	-	-	$\vdash$				_	_	-	-	_			Н	-
CL Systems Inc.	+	$\vdash$	┢		-	-	-		_	_		-				-	
CMC Associates Inc				-		-		-	•	•		•			•		H
CMC Software	-	-	-	-	_	-	Н	-	H	-		-	_		_	ч	H
CPAids	-	$\vdash$	-	-	_	H	H		Ц	_		-	_				
CPS - Medical Billing Systems	+	-	-	-	-	-			_	_		_				ч	
CPS Inc.	•	-	⊢	-		•	•	=		•		-		-			
CPU International, Inc.	-		-	⊢	•	-	_	_		_		-					
CR Inc (Compensation Resources)	-	-	-	-				_	_		-						
CRI	-	-	•		-	•			_		-	-					•
CS Computer Systems Inc.	•		-	•		H	•	_	•	•	-	-	•			•	
CSW, Inc.	-	•	•	•	•	H		•	•	=	•	•	•		•		
CTEC Inc.	•	-	-	•	-		_	Ц	-	H	•	•	-		_	•	
CTS Services Inc	-	-		•	-	H		•	-	H	-		-	뎾			
CUC Insurance Services	-	-	$\vdash$	-	-	_	•	_	-	Ц	-	•	_		_		
C3 Inc.	+	-	$\vdash$				_		_		-				-		•
Cable Data	+	-			_				$\dashv$	_	-		-	ч	_	$\dashv$	
Cableshare Limited	•	-	-		Н			-	-	•	•	•			_		릚
Cadlink, Inc	-		-							-	-	•					-
Cado Systems of MD, Inc.	-					•	•	•	-	•	-	-		-	-	•	
Cahill and Company	-		•			Ħ	-	•	•	•	-	-				-	
Cal-Western Econometrics	+	-	-	-		-		-	-	-	-	-				-	
Calculogic Corporation	-							-	•		-	-	•	•	•	•	
Calculon Corporation				-		-			-		-	-	•		-	-	-
California Minicomputer Systems Inc.		-					•			-	-	-	_	-	-	•	-
California Systems Associates	•					-	-	•		•		-	-		-	•	-
Call Computer	•		•					-	-	-	-	-	-	-	-	•	
Calma Company		•	•		•			-	-			-	•	-	-	•	-
Calspan Corporation Advanced Technology Center	1	ŕ			-			$\dashv$		-	-	-	•	•	-	-	-
		_											_	_			_

Camac, Inc.  Cambar Business Systems Inc  Canada Systems Group  Canada Corporation  Canon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Capex  CARDS Inc.  Cardware Inc.  Care Computer Systems  Care Computer Systems Inc  Care Information Systems Inc  Care Information Systems Inc.  Care Possessor Inc  Carlailyst USA Inc.  Cardialiatics, Inc.  Catalyst USA Inc  Condering Computer Services Inc.  Center for Cobol Software, Inc.  Center of Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Conding Data Inc.  Center of Cobol Software, Inc.  Center of Cobol Software, Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Central Systems Inc.  Center for Cobol Software, Inc.  Center of Cobol Software, Inc.  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Syste	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTTIED
Cambar Business Systems Inc  Canada Systems Group  Cannon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Capcage  CARDS Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Systems Inc  Care Computer Systems  Care Information Systems Inc  Care Computer Systems  Care Information Systems Inc  Careful Corporation  Carolina Business Computers Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catally USA Inc  Chord Group Inc. (The)  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Systems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Central Tystems Incoprorated  Chang Laboratories Inc.  Chase Econometrics / Interactive Data Corporation  Chase Econometrics / Interactive Data Corporation  Chase Econometrics / Interactive Data Corporation  Chase Econometrics / Interactive Data Corporation  ChemShare Corp  Childho Ason, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.	Compa Inc	1	-	-	-	-		_	<i>y</i>			_	-			-	-	1
Canada Systems Group  Candle Corporation  Cannon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Capex  CARDSI Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Carer Corporation  Carer Systems Inc.  Carer Processors Inc.  Catillatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Contral Tomputing Company  Central Tomputing Company  Central Tomputing Company  Central Tompuning Company  Central Tompuning Company  Central Tompuning Company  Central Tompuning Company  Central Tompuning Company  Central Tompuning Componation  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories			$\vdash$	$\vdash$		$\vdash$	-			Н						-	-	1
Candle Corporation  Cannon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Capcom Systems, Inc.  Care Computer Systems  Care Computer Systems  Care Information Systems Inc  Care Computer Systems  Care Information Systems Inc  Care Computer Systems  Care Information Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Care Computer Systems Inc  Casper Processors Inc  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Contral Data Brocessing Inc.  Centerial Computer Services Inc.  Central Data Processing Inc.  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Champ Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chaptin Inc  ChemShare Corp  Chilton Corp  Chilton Corp  Chilton Data Associates (CDA)  Cincom Systems Inc.			$\vdash$	-	-	-				Н	_	-	-			$\vdash$	Н	1
Cannon Computer Company  CAP-CPP Inc.  Capcom Systems, Inc.  Care Capcagom Systems Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Care Computer Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Career Systems Inc.  Catalyst USA Inc  Control Computing Company  Central Computing Company  Central Data Processing Inc.  Central Systems Incorporated  Central Trust Company, The Computer Services  Department  Champ Laboratories Inc.  Chang Laboratories Inc.  Chase Econometrics / Interactive Data Corporation  Chang Laboratories Inc.  Chase Econometrics / Interactive Data Corporation  Chase-TCMS  Chessen Systems Inc.  Chembare Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chubb & Son, Inc.  Chubb & Son, Inc.		_		-	-		-				•	-						1
CAP-CPP Inc.  Capcom Systems, Inc.  Capex  CARDS Inc.  Cardware Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Care Computer Systems Inc  Career Systems Inc.  Careton Corporation  Carolina Business Computers Inc.  Casper Processors Inc  Catallatics, Inc.  Catallatics, Inc.  Catally USA Inc  Cond Group Inc. (The)  Centenal Computer Services Inc.  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Systems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chaps Lord Mark Mark Mark Mark Mark Mark Mark Mark				-				Ť	Ť							-	-	1
Capcom Systems, Inc.  Capex  Capex  CARDS Inc.  Cardware Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Care Information Systems Inc  Contral Data Processing Inc.  Central Data Processing Inc.  Central Data Processing Inc.  Central Data Processing Inc.  Central Data Processing Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laborator		+	-	-														t
Capex  CARDS Inc.  CARDS Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Care Computer Systems Inc.  Career Systems Inc.  Career Systems Inc.  Carloin Corporation  Carolina Business Computers Inc.  Casper Processors Inc  Catalyst USA Inc  Cotallatics, Inc.  Catalyst USA Inc  Cotord Group Inc. (The)  Center Inc.  Center of Cobol Software, Inc.  Center of Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Central Tystems Incorporated  Chang Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.			$\vdash$			-	Ť	-		Н	•		-					1
CARDS Inc.  Cardware Inc.  Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Careet Systems Inc.  Catalyst UsA Inc  Conder Group Inc. (The)  Centennial Computer Services Inc.  Center of Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Tost Company, The Computer Services  Department  Champ Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase Econometrics/ Interactive Data Corporation  Chase Econometrics/ Interactive Data Corporation  Chase Corporation Inc  Cheltonian Inc  Chembare Corp  Chitton Corp  Chitton Corp  Chitton Corp  Chitton Corp  Chubb & Son, Inc.  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.			$\vdash$	Ť	-		•		•	•				•	-		_	t,
Cardware Inc.  Care Computer Systems  Care Information Systems Inc  Career Systems Inc.  Career Systems Inc.  Carelend Corporation  Career Systems Inc.  Carelend Corporation  Carelend Corporation  Carelend Corporation  Carelend Corporation  Catallatics, Inc.  Catallatics, Inc.  Catallyst USA Inc  Conterior Corporation  Conterior Cobol Software, Inc.  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Chang Laboratories Inc.  Chase Econometrics / Interactive Data Corporation  Chase Econometrics / Interactive Data Corporation  Chemshare Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.  Chow Software, Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Concom Systems Inc.  Carled On On On On On On On On On On On On On			+	-	-	<u> </u>	-	Ť	-		Ť		•	-	$\vdash$		-	t,
Care Computer Systems Inc Care Information Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Carelinformation Systems Inc Catalyst USA Inc Catalyst USA Inc Catalyst USA Inc Cord Group Inc (The) Centennial Computer Services Inc. Center for Cobol Software, Inc. Central Computing Company Central Data Processing Inc. Central Data Processing Inc. Central Tystems Incorporated Central Tystems Incorporated Central Tystems Incorporated Central Tystems Incorporated Chang Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc. Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag Laboratories Inc.  Chag					Ė	-	•				•	•		•	г			Ť,
Care Information Systems Inc  Career Systems Inc.  Careton Corporation  Carolina Business Computers Inc.  Casper Processors Inc  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Catallates, Inc.  Contral Computer Services Inc.  Centernial Computer Services Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Chang Laboratories Inc.  Chang Laboratories Inc.  Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase Econometrics/ Interactive Data Corporation  Chase Econometrics/ Interactive Data Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation  Chase Corporation		1	-	Ť					•									t
Career Systems Inc.  Carlotno Corporation  Carolina Business Computers Inc.  Casper Processors Inc  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Catallatics, Inc.  Contral Computer Services Inc.  Center for Cobol Software, Inc.  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Champion Service Corporation  Chang Laboratories Inc.  Chase-TCMS  Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.  Chouse Systems Inc.				$\vdash$		$\vdash$			•						$\vdash$	-		t
Carleton Corporation  Carolina Business Computers Inc.  Carolina Business Computers Inc.  Casper Processors Inc  Catallatics, Inc.  Catalyst USA Inc  Cond Group Inc. (The)  Centennial Computer Services Inc.  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Toxic Company, The Computer Services  Department  Champ Laboratories Inc.  Chase Econometrics / Interactive Data Corporation  Chase-TCMS  Chestonia Inc  Chembare Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chubb & Son, Inc.  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.			$\vdash$		-		•	•	•	•	•					_	•	t
Casper Processors Inc  Catallatics, Inc.  Catalyst USA Inc  Chord Group Inc. (The)  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Champion Service Corporation  Chase-TCMS  Chase-TCMS  Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.  Catallyst USA Inc  O O O O O O O O O O O O O O O O O O O	Carleton Corporation				•		•	•	•	•	•			•				1
Casper Processors Inc  Catallatics, Inc.  Catalyst USA Inc  Chord Group Inc. (The)  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Champion Service Corporation  Chase-TCMS  Chase-TCMS  Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.  Catallyst USA Inc  O O O O O O O O O O O O O O O O O O O	Carolina Business Computers Inc.			$\vdash$				•			•	Т	•		_			t
Catallatics, Inc. Catalyst USA Inc Chord Group Inc.(The) Centennial Computer Services Inc. Center for Cobol Software, Inc. Center for Cobol Software, Inc. Central Computing Company Central Data Processing Inc. Central Toyle Company Central Toyle Company, The Computer Services Department Champion Service Corporation Chang Laboratories Inc. Chase Econometrics/ Interactive Data Corporation Chase-TCMS Chase TCMS Chembhare Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chubb & Son, Inc. Chubb & Son, Inc. Chuch Data Associates (CDA) Cincom Systems Inc.	Casper Processors Inc		T			T												Ť
Cbord Group Inc. (The)  Centerial Computer Services Inc.  Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Data Processing Inc.  Central Systems Incorporated  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Champion Service Corporation  Chase-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Chese-TCMS  Ches	Catallatics, Inc.		T													-		Ť
Centennial Computer Services Inc.  Center for Cobol Software, Inc.  Central For Cobol Software, Inc.  Central Data Processing Inc.  Central Toxic Company, The Computer Services  Department  Champ Laboratories Inc.  Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase-TCMS  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chembare Corp  Childnoin Inc  Chem	Catalyst USA Inc		Т	T	Т						•							Ť
Center for Cobol Software, Inc.  Central Computing Company  Central Data Processing Inc.  Central Systems Incorporated  Central Systems Incorporated  Central Systems Incorporated  Central Trust Company, The Computer Services  Department  Champion Service Corporation  Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase Econometrics/ Interactive Data Corporation  Chase-TCMS  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonian Inc  Cheltonia	Chord Group Inc. (The)		T	T	•	•	•		•	•	•			•			•	Ť
Central Computing Company	Centennial Computer Services Inc.	$\neg$	$\top$				•	•									•	T
Central Data Processing Inc.  Central Systems Incorporated  Central Tust Company, The Computer Services  Department  Champ Laboratories Inc.  Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase-TCMS  Cheltonian Inc  Chembhare Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chilton Corp  Chubb & Son, Inc.  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.	Center for Cobol Software, Inc.		Т	1					•		•	•	•				•	T
Central Systems Incorporated Central Trust Company, The Computer Services Department Champion Service Corporation Chang Laboratories Inc. Chase-Econometrics/ Interactive Data Corporation Chesse-TCMS Cheltonian Inc ChemShare Corp Chilton Corp CHIPS, Inc. Chubb & Son, Inc. Chubb & Son, Inc. Chubb Associates (CDA) Cincom Systems Inc.	Central Computing Company		•				•				•	•						T
Central Trust Company, The Computer Services  Department Champion Service Corporation Chang Laboratories Inc. Chase Econometrics / Interactive Data Corporation Chase-TCMS Cheltonian Inc ChemShare Corp Chilton Corp CHIPS, Inc. Chubb & Son, Inc. Chubb & Son, Inc. Chuch Data Associates (CDA) Cincom Systems Inc.	Central Data Processing Inc.																	Ī
Department Champion Service Corporation Chang Laboratories Inc. Chase Econometrics/ Interactive Data Corporation Chase-TCMS Cheltonian Inc ChemShare Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Corp Chilton Systems Inc.	Central Systems Incorporated			T	Г			Г		•								T
Champion Service Corporation         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●	Central Trust Company, The Computer Services			T			•											T
Chang Laboratories Inc.  Chase Econometrics/ Interactive Data Corporation  Chase-TCMS  Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Chubb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.	Department		T															I
Chase Econometrics / Interactive Data Corporation  Chase-TCMS  Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Chusch Data Associates (CDA)  Cincom Systems Inc.	Champion Service Corporation		T	Т									П					I
Chase-TCMS       ●       ●       ●       ●       ●       ●       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○       ○ <td< td=""><td>Chang Laboratories Inc.</td><td></td><td></td><td>Π</td><td></td><td>•</td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td>1</td></td<>	Chang Laboratories Inc.			Π		•	•										•	1
Cheltonian Inc  ChemShare Corp  Chilton Corp  CHIPS, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chubb Associates (CDA)  Chuch Data Associates (CDA)			_		•		•				_			•				1
ChemShare Corp Chilton Corp Chilton Corp CHIPS, Inc. Chubb & Son, Inc. Chubb & Son, Inc. Church Data Associates (CDA) Gincom Systems Inc.	Chase-TCMS										•	•						1
Chilton Corp       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       <	Cheltonian Inc			-												-		1
ChIPS, Inc.  Chubb & Son, Inc.  Chubb & Son, Inc.  Chub Data Associates (CDA)	ChemShare Corp																	1
Chusb & Son, Inc.  Church Data Associates (CDA)  Cincom Systems Inc.	Chilton Corp					_					_	•	-			L	-	1
Church Data Associates (CDA)	CHIPS, Inc.								•		•			•		•		4
Cincom Systems Inc.											-		-				-	4
Cincom Systems Inc.		_			-	1	-	-	-	_	-			-			+-	4
			1				-		•		•							4

CAMP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Citicorp Remote Computer Service - PG Data Center	+		$\vdash$			•				Ė			Ė				
Citidata, Inc.	+	$\vdash$	+-	-		•			-	-		-	_			•	
Citishare Corp.		$\vdash$	+	$\vdash$	•	•	•	_	-			-	-		_	_	•
Citizens & Southern National Bank, Computer Services	+	-	$\vdash$		_	•	=			-		-		-			•
Div.	+	-	-	-	-	-	-		_				-				-
Citizens Automated Systems	+	$\vdash$	-	-		•	-			-	-		_	-		•	
Citizens Financial Corporation	+-	$\vdash$	-	-	-	•					-	-		-		Н	•
Citizens National Bank Computer Services Division	+		-	$\vdash$		-			-						_		
Claritas		-	-	•	•	-	•	•		•			•				ŭ
Clay Bernard Systems International (CBSI)	-	•	•		•	•	ч	_	_	_			_	_		•	•
Clayton Associates	-	•	-	-		-			-	•	•	•	_			-	•
Coast Mailing Corporation	-	•	-	_					_			_				_	•
Collier-Jackson & Associates, Inc.	-	•	•	-	•	•	•	•	_	-	•	_			_		•
Colonial Data Systems, Inc	-	-	•	-		-	ч		-	-		_			_		•
Colonial Mortgage Service Company	+	-	-	_	-	•		-	$\dashv$	-		-					
Columbia Computing Services, Ltd.	-		-	_	H	_		-	•		_				-	_	•
Com Code Corporation				-	-			-				-	-	-	-	_	-
Comarco, Inc.	+	-			_			-				-		•	_	•	•
Comcheg Services Ltd	+			Н	_			$\dashv$				-	_	-	_		•
Comdata Network, Inc.	+			•	_		$\vdash$	$\dashv$			_		_	-	_	_	÷
Comm-Pro Associates				-	•		•	•	•	•	•		•	•	_	-	•
Command Control & Communications Corporation	+			Н	_	-	_	•	•	-	_		•	-	-	•	•
Commerce General Corp.	+		$\vdash$	Н		•	-	$\dashv$	-		-		-	-	-	-	•
Commercial Bank & Trust Co., Computer Services Div.						•				_	-	-	_				•
Commercial Computer Services, Inc.		•						•	-	•	•	-	•		•		•
Commercial Computer Services Inc.	•	-	-		•	•		•	•	•	-	-	-	-	-		•
Commercial Resources	+				_	•		-	-	-			-				•
Commercial Software Inc.		-			-	Ť			-							•	•
Commonwealth Bank & Trust Co. Computer Services	•	•			•						-					-	•
Division		-			ŕ			$\dashv$									_
Communication Controls, Inc									-							•	•
Communication Software Aids	•			•	•	•							•	•		-	•
Communications Computer Services Inc								•						-			•
Community Computer Corporation	•	•				•		_	•	•	•						•
Comp Act Data Systems Inc.	•	•				•		•		•	•	•					•
Comp Info Inc.	•	•					•		•							•	•
Comp-Tron Inc.																	•
Comp-U-Staff Inc	•					•											•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Compal, Inc.	•		Т		Т	•	Т	•	•	•	•	•	•	-	•	•	•
Compass Data Services	Ť	Ť	$\vdash$	$\vdash$	$\vdash$	-	-	_	-	•	•	Ť	-	-	-	_	ì
Compata, Inc.	+	+	+	-	$\vdash$	•	-		$\vdash$	-	-	-	$\vdash$	-	-		Ì
Compeda Inc.	•				-	-			-			-					•
Complete Computer Systems	•		$\vdash$		$\vdash$				-	$\vdash$			•	-			Ì
Complex Systems Inc	Ť	Ť		-	$\vdash$		$\vdash$		$\vdash$		_	-	Ť	$\vdash$	-		Ì
Comptek Research Inc.	•				+	Ť			-	-		-	•		-	•	ì
Compu-Center Company Inc.	Ť	+	-	1	$\vdash$	$\vdash$	-				_		-	Ť	-	Ť	•
Compu-Link Corporation	•		1	-	1			•			•		$\vdash$	-	-		•
Compu-Systems Corporation			-		_	$\vdash$				1		_	_				1
Compu/Think	•	Ė	1		$\vdash$	•	•	•		•					$\vdash$		•
Compumatic Business Services	$\vdash$	$\vdash$			1							$\vdash$	_				•
Compumax Associates Inc.		Т	•						•						_		•
CompuServe Incorporated		•				•	•					•	•	•	•	•	•
Computab Inc.	•	Т	•			•	•			•						•	•
Computation Planning, Inc.		Г							•								•
Computech Financial Systems, Inc.	Г	Г				•	•										1
Computer Aided Manufacturing-International, Inc (CAN	-	П	Г										_			•	1
I)																	
Computer Application Systems Inc.	•		•	•	•	•	•		•	•			•			•	•
Computer Applied Systems Inc.	•	•	•					•	•	•	•	•	•	•	•		•
Computer Assistance International Inc.	•		•		•	•	•	•	•	•	•	•	•		•	•	1
Computer Associates International, Inc.,		Г	П	•	•	•	•	•	•	•			•			•	1
Computer Associates Inc.										•	•	•				•	•
Computer Associates Inc.	•	•		•		•		•	•	•							•
Computer Bugs (The)	•				•		•			•			_			•	•
Computer Center	•		•	•	•	•	•	•	•	•	•	•	•	•	•		•
Computer Center Inc.	•							•	•		•			•	•		
Computer Center Inc. of Miami		•		•								•				•	•
Computer Company (The)	•		•	•	•	•	•						•		•		•
Computer Composition International							•	•				11					•
Computer Concepts & Services Inc.	•									•			•		•		•
Computer Consoles, Inc.					•												•
Computer Consultants, Ltd.																•	•
Computer Corporation of America, Inc.	•		•	•	•	•	•	•	•				•	•	•		•
Computer Corral	•					•		•		•						•	•
Computer Covenant Corporation	•																•
Computer Curriculum Corporation	L	1	L	L	L				•	L			•	•	•		4

INDUSTR MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Computer Data Access Inc. (CDA)										•	•	•	Ť			-	
Computer Data Processing Inc.				-					Н	Ť	•	-		$\vdash$	-	-	
Computer Data Systems, Inc.		-	-				•	•	•	•		-	•	•	$\vdash$		
Computer Designed Systems Inc.			-	<u> </u>	-	-	_	•	H	•	Н	_		Ť		_	
Computer Dynamics Inc.		•	•		•		•			•		•					
Computer Dynamics Inc.		-	-	-	-	-						_			Н	Ť	
Computer Generation Inc.			_				•			•	-	_	•			-	
Computer Horizons Corp.			-		•		•	$\vdash$		•		•	-		Н		
Computer House		-		_	-	-	-					Ť				-	
Computer Innovations			•	•	•	•	-	•	•	•	•	•		$\vdash$			•
Computer Input Corporation		-	-	-	•			•		ŭ		ŏ			•	Н	•
Computer Input Services, Inc			-	_	ř	-	•	•	•	•	•	•			_	•	•
Computer Laboratory Inc., The					-	-	Ť	•		_		ŭ				_	•
Computer Language Research		-	-	•			•	•		•		-	•		-		•
Computer Management Corporation		$\vdash$	•	-	_	-		-	-	-			-		-		•
Computer Management Dynamics, Inc		$\vdash$	-	$\vdash$	_	-	Н		•	-				$\exists$		_	•
Computer Network Corporation (COMNET)		$\vdash$		-				•				-	•	•		•	•
Computer Packages Inc.		-		Н	Ť	Ť		_									•
Computer Pictures		-	_	•	•	•		•	•	•		$\dashv$	•			•	•
Computer Power Inc.		$\vdash$	-		_	-	-	-	-	_			-	-	-	_	•
Computer Prepared Accounts, Inc.	_		$\vdash$			_		-	$\dashv$	_	-	-		-			•
Computer Processing Company		•	-			-	Н		-	•	$\dashv$	•	-	_	-	•	•
Computer Professionals Inc.	•	•	Н						-	-	-	-	-	-			•
Computer Research Inc.		_	Н	-	•	•		-	-	-		$\dashv$	•	-	•	-	•
Computer Resources		-	Н		_	_	-	•	-	-		-	-	$\dashv$	•	•	•
Computer Resources		-	-				•	-	•	•	-	•	-	$\dashv$	$\dashv$	3	-
Computer Resources Corporation		-		•	•	•	•	•	•	•	-	-	•	-	-	•	•
Computer Resources of America	- 1			Ť	ŭ	ř	-	-	Ť	•	-	•	-	$\rightarrow$	-	-	
Computer Results		-	-		•	-	-	•	•	•	-	-	-	$\dashv$	-	•	•
Computer Sciences Corporation	•				•	•	•	-	-	-	•		-	•	•	•	-
Computer Security Corporation	•			3	•	Ħ	•	•	•	•		$\dashv$	•	-	-	-	-
Computer Service Consultants Inc.	•			•	•		•	•			-	$\dashv$	-		-	-	-
Computer Service Corporation						•				-	-	-	-	-	-		•
Computer Service Inc.							$\dashv$			•	•	-					•
Computer Services Associates						•	•		-	•	_	•	-	-		•	•
Computer Services Corporation								•		•		•	-	-		-	•
Computer Services, Inc.	•			•	•	•		•		•		-		$\dashv$			•
Computer Sharing Corporation	•			•	•	•	•		+	-		-	-	-	-	-	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Computer Sharing Inc.			•		•			•		•	•	•				•	•
Computer Sharing Services Inc.	+			$\vdash$	•	•	•	П					•	•	•	•	•
Computer Software Development Company			-													•	•
Computer Software Services Inc. (CSSI)		•	•	•						•		•				•	•
Computer Solutions		•	•		•				•	•	•	•	•	•		•	•
Computer Synergy, Inc.	1							•									•
Computer System Architects, Inc.		•		•		•	•			•	•	•	•	•		•	•
Computer Systems Company Inc.		•				•	•			•	•	•					•
Computer Systems Engineering		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Computer Systems Group, Inc								•	•	•	•	•					•
Computer Task Group Inc.				•	•	•	•	•	•	•							•
Computer Techniques	•	•		•	•	•			•			•					•
Computer Usage Corporation						•											•
Computer Workshop of Kansas City, Inc.		•	•			•	•	•		•		•	•	•	•	•	•
Computer-Time Corporation		•	•			•		•	•				•		•		•
Computerecords Inc.		L		•	•	•	•		•	•	_			_	•	•	•
Computeristics, Inc.	•	•	•		_	1	_	_	_		_	_	•			_	•
Computerized Management Decisions, Inc.	_	L		_	•	•	_	•	•	_	_	_	_	_		•	
Computerm Corporation	•	•	•	•	•	•	_	•	•	•	•	•	_	_	_	•	•
Computerpower Corp	•	•	⊢	-	-	_	_	_	-	•	•	•	•	_	•		•
Computers for Marketing Corp.	+-	-	⊢	-	•	•	•	•	_	_	-	-	-	-	-		•
Computersearch Corporation			-		•	•	•	•	•	•	•	-		•	-	•	•
Computervision Corporation		•		$\vdash$					-	-		-	-	-	-	_	•
Computerwise, Inc.	•	•	-	$\vdash$	$\vdash$	-	•	-	-	-		-	-	-	-	_	
Computone Systems Inc.	+	$\vdash$	-	-		-	•	-		-	-	-	-	$\vdash$		_	
Computoservice Inc. Computrol, Inc.	+	-	$\vdash$	⊬	•	•		-	-	$\vdash$		-	-	-	-		
Computrol, Inc. Compuware Corporation		$\vdash$	$\vdash$	-		•	•	$\vdash$	-	•			-	-	-	•	
Comserv Corporation	-	+-		$\vdash$	-	-	-	-	-	-	-	-		-		-	
Comserv Corporation Comshare, Inc.	-				•			-		•							
Comspec Exploration		-		-	-	-	-		-								
Comtech Group International Ltd.		-	+	•				•								•	
Comtrol Corporation	-		-	۲	-			•				-	Ť		_		
Comtrol Inc.		•				•	•	-	•	•	•						
Comtype Inc.					1	1	Ť		Ť	•							
Comvestrix Corporation		•		1				•		•	•	•	•		•	•	
Concap Computing Systems, Inc.			Ť														

CAMP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Concord Computing Corporation	Т										•						
Condata, Inc.						•	•	•			H		•	-	•	•	•
Condor Computer Corp.	0	Ť	-		•	•	•	6	•	•	Н		•	-	-	•	•
Condor Corporation, The	•	+	-		-		-	H	_	•	-		_	-	Н	-	•
Configuration Data Services Inc.			+			-	-	-					-	-	Н		•
Congruent Systems, Inc.	+-	Ť	+	-	-	•		Н		Н	-				Н		•
Consco Enterprises Inc.					-	•	•	Н	•	Н		-	_	$\vdash$			•
Consolidated Business Systems, Inc.					-	•	•	-	•	•	•	•					•
Consolidated Computer Corp	+	Ť	۲		-	_	-	Н	_	d	H	_	_	Ľ		Ŭ	•
Construction Computer Control Corporation	+	$\vdash$	+		-		_						_				•
Construction Industry Computer	+	$\vdash$	+	-			-			Н			•	•	Н	•	•
Construction Information Systems	+	-			Ť		-	Н	-	Н		-	_		Н	Ť	•
Construction Management Systems	$\vdash$	$\vdash$	1										_		Н		
Construction Systems Software, Inc		$^{\dagger}$											_			•	
Consultants for Information Resource Management Inc.	+	$\vdash$			$\vdash$	•		•				•	•				
Consultec		$\vdash$				•		•					Ť		•		
ConTel Information Systems, Inc		1	$\vdash$	•		•	•	7	•	•			•	-			
Context Management Systems				•	•	•	•	•	•	•			•			•	
Continental Computer Services, Inc.																	
Continental Data Processing, Inc.			•	•	•	•	•	•	•		•	•	•	•	•	•	
Continental Information Systems				•	•	•	•	•	•	•			•			•	
Continental Medical Systems			T					•									•
Continental Software	T															•	•
Continuum Co., The							•										
Contract Services Associates	Т																•
Control Data Corporation	•	•	•		•		•	•	•	•	•	•	•	•	•	•	•
Control Systems, Inc.									•								•
Controls for Industry Inc.	•							•		•							•
Convey Companies, Inc.				•		•		•		•							•
Cooper Data Systems Inc.	•	•	•	•	•		•	•	•	•	•	•				•	•
Cooperative Computing Inc.											•	•					•
Corgill-Meyer and Associates						•											•
Cornell Computer Corp.		•		•	•	•	•	•		•	•		•		•	•	•
Cornwell, Robert Associates		•	_														•
Corporate Data Systems	-	_	_			•											•
Corporate Management Inc. Corporate Systems		•	•		•					•	•	•					•
Corporate Systems  Corporate-TECH Planning, Inc				•	•	•	•	•	•	•			•				•
Corporate-12CH Planning, Inc		•					•						•	•			•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Corstar Business Computing Company, Inc.		•															•
Cortex Corporation							•				•						•
Corvus Systems Inc.														•		•	•
Cost Savings Data Systems Inc.				•	•					•			•			•	•
Coverdale Associates, Inc.	•	•	•		•	•				•			•		•	•	•
Creative Output	•			L.													•
Creative Socio-Medics Corp (CSM)								•					•				•
Creative Systems Group	•	•														•	•
Credit Bureau Inc. of Georgia						•				•							•
Crown Data Center			•			•		•	•								•
Ctrac Computer Services		•			•	•		•	•	•					•		•
CULLINET SOFTWARE Inc.				•	•	•	•		•	•			•			•	•
Curtis-Wright Computer Service	•			•	•	•	•		•	•			•				•
Custom Application Systems, Inc.						•											•
Custom Computer Services	•					•				•				L		•	•
Custom Computer Services, Inc.				•	_	_		▣		•	•	•		_		•	•
Custom Computing Systems, Inc.	•		•	_	L		•		•	Ļ	•		•	_	•	•	•
Cutler Williams Inc.	•	•	_		•	•	•	•	_	•	•		•	_	•	_	•
Cyberned Corporation	-	_	_	_	_				•	_		_	_	_	_		•
CYBERNET		•	•	•	•	_	_		•	•	•	•	•	•	•	_	
Cybernetics and Systems Inc.	•	-	_	•	•	•	•		•	•	•		•		•	-	•
Cybernetics Inc.		-		•	•	•	•		•	•	•	•	•	•	•	•	•
Cybernetics System International Corp	-	-		•		•	•	•	•	•	-	_	•	•	•	•	•
Cybershare Ltd	-	⊢	┝	•	•	•	-	ч	•	•	-	-	•	•	•	_	•
Cybertek Computer Products, Inc.	+-	⊢	-	$\vdash$	$\vdash$		-			-	-			-	•	$\vdash$	•
Cybertronics Inc.		•		•			•	•	•	•	•	•	•		•	•	•
Cyborg Systems, Inc.	+	-	-	-	-	-	•	•	_	-	-	-	-	$\vdash$	-	_	
Cycare Systems, Inc.	+	-	$\vdash$	-	$\vdash$	-		•	-		-	$\vdash$	-	$\vdash$			
Cyma Corp D.T.S.S., Inc.	+	-		•			•									•	•
DBA Systems, Inc.				۲	Ť	1	Ĭ										
DBMS, Inc.			-					•							1	•	•
DCD Company	•			1	Ť	Ť	-						-				•
DDP Systems, Inc.	+				•				•				•	•			
DPS Inc.															•	•	
DSI-Data Spectrum Inc.				•	•				•				•			•	
DST, Inc.			Ĺ			•	•										
DYX Corporation				1						1							

INDUST MARKE COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Da-Tronics, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dagar Enterprises	•				•		•	•		•			•				•
Dakin5 Corporation																	•
Dalgety, Inc.				•						•							•
Daly & Wolcott Inc.	•			_													•
DASD Corporation	•	L			•	•		•		•						$\vdash$	•
Dash Group, Inc		L		•												L	•
Data Architects Systems Inc.	•	•			•	•	•									<u></u>	•
Data Base Logic Inc.	•	_	_	_	_	•										•	•
Data Base Management, Inc.	•	_	_	_	_	•				•	_		•		_		•
Data Basics Corp.		•	_		_				_	_	_				•	•	•
Data Belt Corporation		<u> </u>	_	_	<u> </u>		_		_	•	•	•	_		<u> </u>	•	•
Data Capital Data Communications Corporation		_	_	_	_	_		•	_	_	_				_	•	•
Data Communications Corporation  Data Companies (The), Inc.	•				_	•		•	•	•	_		_		_	_	
Data Computer Center Inc.			_	•			_		_	•	L.,	•	_		_	•	•
Data Concepts Inc																	H
Data Consultants Inc.			_		_		•									_	Н
Data Corp of Virginia, Inc.		-	_	-	-	•	_		H	_	•					_	
Data Design Associates, Inc.		•			•	H		•	H		•				_	•	Н
Data Development Inc.		•	_	-	•	_	-	_	H	-	ч	•	_		_	ч	Н
Data Directions, Inc.		•	_	-		•	Н		-	-	-	_				-	8
Data Factory, Inc.							•					•	_		-		
Data Financial Systems Inc.					-	H	•				•		_				
Data Flow Inc.		•	•			•	•	•	•	•	•		_		-		H
Data General Corporation	•		-	-	-		-	_	-	•	-	Н			-	-	
Data Index Incorporated			_	-		•	•			•	-	•	•	•		H	•
Data Law Company		•	_	-		Ĭ	Ĕ	•	Н	Ŭ	-	_	Ŭ	_	-	•	
Data Line Service Company		Ŭ	-	$\vdash$				_	-	•					-	Ĭ	-
Data Management Inc.			_	-	-	-		Н	-	•	•		•	•	•		
Data Management Inc.		•								•	•		_	Ť	Ť		-
Data Marc Inc						•					-						-
Data Probe Inc.																	d
Data Processing & Accounting Services	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
Data Processing Center Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Data Processing Consultants									•	•	•	•					•
Data Processing Design, Inc.	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
Data Processing of the South Inc.		•				•	•										•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Data Processing Services Inc.		•								•	•	•					•
Data Processing Services Inc.	+-	-		$\vdash$				$\vdash$		•	-	•			-		•
Data Resources, Inc.			•	-		•			•	-		_	•	•			•
Data Retrieval Corp	1	-	-						-				-	-		-	
Data Services Corporation					•	-					•	-	•	Н			
Data Structures, Inc.	1		-		H					_	_		-		-		
Data Systems Analysts, Inc.		-	-	-	_	-	Н	-	_		-	_	•	•		-	•
Data Systems Analysis, Inc.  Data Systems Consultants	-		-	-		-	Н	-		•	•	•	_	_		•	•
Data Systems Consulting Corporation	+-	-		⊢	-	-	-	•	-	-	_	_	-	_		_	•
Data Systems Corporation	+-	-	-		-	•	Н	-		-	-	-		-		Н	•
Data Systems for Industry		$\vdash$				•	Н		_	•	_			$\vdash$	Н	Н	•
Data Systems for Industry  Data Systems of Arizona	-	$\vdash$				-	-	-	_					-			•
Data Systems of Arizona  Data Systems of Baton Rouge	-	$\vdash$		-		-	Н	-									•
Data Systems of California	+-	⊢		$\vdash$	-	-		-	-	•			_				•
Data Tabulating Corporation	+	$\vdash$				-	•	-	_	-	-	-					•
Data Train, Inc.		•			•	•		•	•		•		•	•	•	•	
Data Universal Corp.	-	-	-	-	•	•	-	Н	-	H	H	H	_	-	-		•
Data 3 Systems	-	-		-	-	-	H	Н		-	_	-			H		•
Data-Power	-	-	-	-	-	-	-	H	-	Н		$\vdash$	-				•
Data-Tax, Inc.	-	-	$\vdash$			•		Н	-	-		-		-	-	•	•
Data-Tax, Inc.  Data-Tek Corporation	+-	$\vdash$	$\vdash$	┢	-	-		•						-	-		•
Data-Tronics Corporation		$\vdash$	-		$\vdash$		-	Н	_	-	-	-	-	-			
Data-Fronces Corporation  Database Design Incorporated	-	$\vdash$	-		•		•	Н					Н	-	_	•	•
Dataco, Inc.	•			•	•	•	•	•	•	•	•		•	•	•	•	•
Datacom Systems Corporation	-	-	-	-	-	-			ř	-		-	-	_	•	-	•
Datacor Services Inc.			$\vdash$	-	-	-	•		$\vdash$		-		-	-	-		•
Datacrown Inc.	-	-						•			-	-	•				•
Dataflow Systems, Inc.							-	_		-	-	-	•	-		•	•
Datair Systems Corporation	-	-	-			•					-		-		Ť	•	•
Datalift Corporation	+	-			-	•	-				•						•
Dataline Systems Ltd.		+	-			•	-		-	Ť				-	-		•
Datalink Systems Inc.	+	+		-	-			•	-			-		-			Č
Datamatics Management Services		-			-			-	•								1
DataMed Systems Corporation	+	-		Ť				•									•
Datamedix								•									•
Datamor						1				•				Г			
Datanetics		1				•	•	•		•			•			•	
Dataplex Company	0	-		+	-	-	-	-		-			_	+	_		•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Datatab Inc.		•			•	•						•				•	•
Datatel Inc.						•	•		•	•	•		•	•			•
Datronics, Inc	•			•	•	•	•			•			•				•
Davidson Software Systems																	•
Daxco													•				•
Day & Zimmerman	•	•	•	•		•		•	•				•	•	•	•	•
Dealer Services Corp.							•										•
DeBugge Computer Services Inc.		•		•							•	•				•	
Decimus Corporation																	•
Decision Concepts, Inc.					•												•
Decision Focus Inc.					•	L							•	•		•	•
Decision Graphics	•												•				•
Decision Products Services, Inc					•			•									•
Decision Science Inc.	•			L.									•				•
Decision Sciences Corporation	•	•	•		•	•				•		•	•		•		•
Decision Systems, Inc.										F						•	
Decisions Development, Inc.	•	•		•	•					•	•	•	•	•	•		•
Del Bron Inc								•	•							•	•
Del Rey Systems, Inc.	•		•	•						•	•						•
Del-Data Computer Services			•			•	•	•			•		•		•	•	•
Delphi Data Systems, Inc.	•	•		•	•	•	•	•	•	•		•	•				•
Delphi Systems Inc.							•			•					•		•
Densichron Division														_			•
Denver Processing Center, Inc																	
Denver Software Company, The					_			•	•	•		•					•
Desa, Inc.	•	•								•	•	_	•	•	•		•
Desert Data Centers Inc.	-													_			•
Design Aids, Inc.	•	•			ļ		Ш					_					•
Designers & Builders of Information Systems DesignWare	•							•	_	•	•	•				•	•
Design Ware  Development Systems International	-								•								•
Dewar Information Systems Corporation	•	•		•		•	•		•	•	•	•					•
Dexel Systems Corporation	•	•		_													•
Dial Computer Systems Corporation	-	-			•			•		•		•				•	•
Dial Tyme	+-	-				•										_	•
Dialcom Inc.	-				_		뭐	•	•							•	
Dialog Information Services, Inc.	•			•	•	•		•	•	•						•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
NAME	10	DIS	PR	IR/	O.L.	BA	SNI	ME	EDI	101	REI	WH	101	99	STA	SER	TI
Digidat Systems Inc.	+	-		Ì				•	_		_					0,1	
Digital Business Systems, Inc.			-	-	Н	-	-	-	Н	•	$\vdash$		•		•		•
Digital Datacom Inc.			-	-			-	-	-	-	$\vdash$	Н	-		_		•
Digital Information Systems Corp. (DISC)	-	۲		•	•			•	•	•	-		•			•	•
Digital Microsystems	-			•	•	6		3					Ħ			Ħ	i
Digital Research Inc.	-	-	-	-	9		9	-	-				-			_	ì
Digital Resources Corporation	•	-	•	-				-	-	Н			Н		Н		i
Digital Solutions Inc.	-	$\vdash$	-	-		-	-	-	-	•	-	-	-			•	Ì
Digitech Systems	+	$\vdash$		$\vdash$	•	Н	-				-	-				_	È
Digitgraph Computers Systems Co	-	+-	•	-	_	Н	-			Н	-	Н	-		-		È
Dimension Systems Corp	+-	-	-	-				•		Н		Н	-		-	•	Ì
DIMIS, Inc.	+	$\vdash$		-				_		•		•		-	-	-	ì
Direct Merchandising Services	+	+	-			$\vdash$		Н		_	$\vdash$		•	-	•		•
Directions Inc	+	$\vdash$		-		•		-			-	-	_	Н	_		i
DISC, Inc.	+	+	-	-		•						-			Н		i
Display Data Corp	+			$\vdash$		Ť			Н	•	$\vdash$	-		Н		-	Ì
Distributed Systems Corp.	+-			-					Н	Ť		•	Н	-	-		Ē
Distribution Management Systems Inc.		•		-		-		-		-	-	-	Н	Н			È
Distribution Sciences Inc.		۰	Ť	-	•	-		-	-	•			•	•	•		Ì
Diversified Computer Systems	+				_	•	Н	•	Н	Ť	-	-	-	_	Ť		Ì
Diversified Data Resources, Inc.		+	-		•		•	•	•		-	-	-		Н	•	ì
Diversified Data Systems Inc.			$\vdash$	_	_	_	Ť	_	Ť	Ť			Ť			Ĕ	i
DOSE Pharmacy Systems	Ť	-	$\vdash$	_				•				-				-	•
Dow Jones News/Retrieval Service	+	$\vdash$	$\vdash$	$\vdash$				-		-		$\vdash$					•
Dubuque Data Services	+	H	$\vdash$		_	-			-	-		_				•	Ī
Dun and Bradstreet								•					•	•		•	4
Duquesne Systems Inc.			1	•			•	•	•				•			•	•
DYATRON Corporation	+				-		•	•					-				•
Dyer, Wells & Associates							•										1
Dylakor Software Systems Inc.					•	•	•	•	•	•			•			•	(
Dynamic Control Corporation								•		13							1
Dynamic Data Processing Inc.				•	•	•		•	•				•			•	•
Dynamic Solutions, Inc.						•											•
Dynamics Research Corporation													•	•			(
EBS Data Processing Inc.								•		•	•	•				•	(
EDP Corporation, The																	1
EDP Design Consultants, Inc.				•	•	•	•	•	•					•	•		(
EDP Management, Inc.		•				•		•			•	•			•		Ī

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
EDP of America, Inc.																	•
EECO Computer Inc				$\vdash$				•		-						7	•
EFT Data Services, Inc.						•			_	_			-			Ť	•
EMA, Inc				•		Ť			-			-	•		•	-	•
EPS Consultants Inc.		$\vdash$	-	•	-	•	•	•	•		$\vdash$	-			_	•	•
ESI				-		•	•	Ť	Ť			_	Ť		-	-	•
ESP Computer Services Inc.	+-					-	Ť	•		-	•	•					•
Evaluation Planning Systems International, Inc (EPS)		_					•	•	•		Ť	Ť			Н	•	•
Eagle Computing Corporation	Ť			Ť	-				-	•			_			-	•
Eaton-Kenway, Inc.				-	-	ř				-				-			
ECCO Consulting Incorporated	0	Ť	-	-	_	$\vdash$	•		Н					Н	Н		•
Economic Sciences Corporation	+-		-			•	•			-	•						•
Educational Methods, Inc	+	-		Ť	_	•	Ť		•	-			-			•	•
Electrocon International, Inc.	+			-	•	Ť			Ť	-		-	-		-	-	•
Electron Information Systems				-	_			$\vdash$	•	-	-		•	•	•		•
Electronic Banking Systems	+-	-		-		•	-	$\vdash$	Ť	-			_				
Electronic Business Services						Ė										$\dashv$	÷
Electronic Calculus Inc.				•						-		-		•		$\neg$	•
Electronic Data Systems Corporation		_		•	Ė	•	•	•		•			•			•	•
Electronic Systems Inc.				•	•		•		•	•			-	Н			•
Electronic Tabulating Corporation	$\top$			_			•								•	$\dashv$	
Electronic Tabulating Service Inc.		_										•			-	$\dashv$	
Elke Corporation				•	•			•					_	-			•
Embassy Institute, The						•				-			-			•	•
Empire Cybernetic Associates						•					•						•
Employee Communication Services Inc.						•	•	•									•
Encomp Systems, Limited		•													$\neg$		•
Energy Analysts Inc			•													$\exists$	
Energy Enterprises of Denver, Inc.			•													$\neg$	•
Enertec Inc.								•									•
Engineering Interface Ltd.																	•
Engineering Systems Corporation		•	•		•											•	•
Engineering Systems Research Co. (ESR)					•									•			•
Enterprise Computer Systems																	•
Enterprise Technology Corp.	•					•				•							•
Epsilon Data Management, Inc.									•								•
Equifax Inc.						•	•	•		•						•	•
ERCO						•											•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
			д	I	_	•	-	•	-			2		-	(F)	0/2	•
Erisco Inc.	-	•		•	•	•	-	•	•	-	-	•	-	$\dashv$	•	•	•
Escom, Inc.		-			H	•	-	-	-			-	-	-	-	-	•
Evans, Griffiths & Hart, Inc. Evansville Data Processing Corporation	-					-		•		•			-		-		•
Evergreen Geophysical Associates Inc			•	-	_			-	-	-		-	$\rightarrow$	-	-	-	
Execucom Systems Corporation			-	•	-	•	•	•	•	•	-	-	•	-	$\dashv$	-	•
Executive Compumetrics				-	•	•	•	-	-	•	•	•	-	$\dashv$	-	•	•
Exploration Processing Corp	-	-	•	-		-	-			-	Ť	-	-		-	-	
Exploration Processing Corp  Explorer Seismic Services	-	-	•	-	-			-	-			-	-	-	-	-	0
FMG Corporation		-				-	$\dashv$	•	•		-		$\dashv$	•	•	$\dashv$	
Factory Systems	-	-	$\vdash$	-	-	-	-	-	_		-	-	-	-	-		
Fair, Isaac Companies	-	-	-	-	-	•	-		-	•	•	-	$\dashv$		-	-	
Fairfield Data Processing		-		-	-	H	-		-		Ť	-			_		0
Fannin Bank	+	$\vdash$	-	-		•		-		-		-		-	-		
Federal Data Corp	+	-	-	-	-	_			-				•		•		
Federal Electric Corporation	+	-	-	$\vdash$		$\vdash$		-	Н				•		-		0
Fein-Marquart Associates Inc.	+	-			-	•		•					•	Ť			
Ferox Microsystems, Inc.		+	Ť		$\vdash$	•		_	-		-					•	
Fidelity Union Bancorporation		-	+	-	-	_	-		-	•						•	
Fidler Bateman	+-	+-	_	1						•			•		•	•	
Fiduciary Processing, Inc.	+	$\vdash$	-		-	•	$\vdash$		-	Ė	_						
Fields Financial Services Inc	+-	+	$\vdash$	╁	-			_		-		$\vdash$					
Figgie Systems Management Group		$\vdash$	$\vdash$	$\vdash$	$\vdash$	Ė	•	_									
Financial Accounting Services, Inc.	+-	$\vdash$		$\vdash$	$\vdash$		•			$\vdash$				_			•
Financial Data Systems, Inc.	+	╁	Ť	1	1												•
Financial Decisions Systems, Inc.		+-			$\vdash$		•							-			•
Financial Industry Consultants Inc.			Ť				•		-		•	•			•		•
Financial Interstate Services	Ť			1		•											•
Financial Management Associate			T							•	•	•				•	•
Financial Network Architects, Inc.			$\top$			•											•
Financial Services, Inc.	1			T		•											•
Financial Statistics, Inc.		T				•											•
Financial Technology Inc.						•											•
Finar Systems Limited						•	•	•	•	•							•
Finsery Computer Corporation							•	•					•				•
Fireman's Fund Insurance Co.																	•
First City Services Company		1				•			_	•	-						•
First Computer Corp.								•				L		•	•		1

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	
First Computer Corporation						•											•
First Computer Services, Inc				Ť		•											•
First Data Resources, Inc.				•		•	•			•	•						•
First National Bank of Anchorage, The						•	•		•		•						•
First National Corporation of Appleton						•											•
First Washington Corp							•		•				•		•	•	•
First Wisconsin National Bank of Milwaukee						•											•
Fits System Inc.						•	•										•
Floral Network, Inc.																•	•
Flores Associates														•			•
Florida Associated Services							•										•
Florida Computer Inc.					•				•				•				•
Ford & Associates, Inc	•			•						•	•	•					•
Foresight, Inc.	•									•						•	•
Formula Consultants, Inc.	•					•			•	•					•		•
FORTH, Inc.																	•
Four-Way Systems	•									•							•
Frey Federal Systems Corporation													•				•
Frey, Donald R & Co	•				•			П					•		•		•
Freyburg Systems Associates Inc.						•											•
Friesen International, Inc.								•	•								•
Frost National Bank						•											•
Fulcrum Computer Group									•				•		•		•
GMA Software	•	•		•			•			•	•	П			•		•
GMD Systems International Inc.																	•
GMS Systems, Inc.	•						•				•						•
GMS Systems, Inc.			_	$\Box$	•	•	•										•
GTE Telenet Information Services, Inc. Galler Associates Inc. (GAI)						•											•
Gambles Datamation	•	•	•		_	•				-	_		•	•			•
Gamma Systems Services	Ш		_	_	_	•	4	•		•	•	4				•	•
Gamma Systems Services Gancom Inc.			_					•		_							•
Garrett Computing Systems Inc.	•	•		•	•			•	_	•	4		•	•	•	•	•
GEJAC Incorporated				_	•		4			_	4	4					•
Gellman, Hayward & Partners			•		•	•		-	•		_	_	•				•
Gemini Business Systems	•	-	-	•	•	•	•	4		•	_	_	•	_	_	•	•
GENASYS Corporation		-	-	-		-	-	-	-	•	-	•	_				•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
General Computer Corporation						•				•		•					•
General Computer Corporation								•			•						•
General Computer Management Corporation																•	•
General Construction Data Systems,Inc																	•
General Contractor Data Service																	•
General Data Systems, Ltd.							•				•						•
General Electric CAE International, Inc		•			_		_								_	•	•
General Electric Information Services Company		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
General Health Corp.				_			•	•		•	•		•		_		•
Generation Sciences International				_	_	•				_					_		•
Generic Systems Inc.				•	•	•	•	•	•	•		Щ	•		_	•	•
Genesee Computer Center, Inc.	•			_			_				_		•		_	•	•
Genesistems, Inc			_		L		_		_	_	_		_	_	_	•	•
Genesys Software Systems, Inc				•	•	•	•	•	•	•	_		•	_		_	•
Genisco Computers		_	•	_	-		_		_	-	_		•	•	_		•
Gentech, Inc.	+-	_	_	_	-	-	_		_	_	-	_	_	-	•	_	•
Geo Data Corporation	•		•	_	_	_	_	-	_	_	_	_	_	-	-	-	•
Geo-Search Seismic Processors		_	•	_	-		_	-		_	_		-	_	-	-	•
Geodynanmics Incorporated		-	•	-	-	-	_	_	_	•	-	_		_	-		
Geographic Systems	•	-	_	•	•	•	•	•	•	•	-	_	•	-		-	
Geophysical Service Inc.	-	-	•	-	-	-	-	L	-	-	-	_	_	-	-	-	•
Geophysical Systems Corp		-	•		-	-	-	-		-	-	-	-	-	⊬	H	
GeoQuest International Inc.		-	•	-	⊢	-	⊢	-				_	-	-	-	-	-
Geoscience Technology Services Corporation	•	-	•	-	-	⊢	-	-		H	-	$\vdash$		-	-	-	-
Geosource Inc.	•	-	•	-	-	⊢	-	⊢			-		-	⊢	$\vdash$	-	•
Gerard Systems, Inc	+-	-	⊢	⊢	-	+	-	-	$\vdash$	-	-	⊢	-	-	$\vdash$		•
Gerber Scientific, Inc.	•	-	⊢	-	-		-	+-	-	-	-	-	-	⊢	$\vdash$	-	•
GESCO Corporation		-		-		-	-	-	-		╁	-	$\vdash$		+	•	•
Gilbert Associates Inc.	-	-	-	-	-		+	-	-		-	-		-	-	-	•
Glendale Federal Savings	-			-	-	-	-	-	-	-	-	-	-		+		•
Global Computer Systems Inc Global Data Corporation/DFA	-		-	-	-		-		-	-			-		-		
Global Data Corporation/DFA Global Data Corporation, Inc.	+	-	-	-	+	-	1	-	-		-	-	-	-	1	۲	
Global Data Midwest Corp	-					+	-					-		-			
Global Software	-	-	-		-			•	-	•	-		•		1	-	
Goal Systems International Inc	-		-		+-			•		•	1		•				
Goldbrick Inc.	-	+	-	+	+	-	Ť	-	1	۲	-	-	-		+		-
Gottfried Consultants		+	-	-			+			+	-	-	1		+	1	

CAMP INDUSTRY INDEX																	
INDUSTR MARKET COMPANY NAME	SA Y	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Grafcon Corporation																	•
Graham-Dorian Software Systems, Inc.		$\vdash$	$\vdash$							•				_	_		•
Gramco Inc.			$\vdash$							Ė		•		_		•	
Grand Terrace Data Systems		Ť	_				•	Ť						_	-		•
Graphic Arts Data Service								_		Ė				_			•
Graphic Data		Ť	-	-					•	•			•	_	_	•	
Graphic Software Systems			$\vdash$					•	•	Ė			•		_		•
Graphics Technology Corporation		$\vdash$	$\vdash$			-	-	Ť	Ť			-	_		H		•
Graphtek Corporation					•			•	•	•	•	•		•		•	•
Great Lakes Information Systems Ltd.		Ť	Ť	-	-	-	_	Ť	Ť	•	_	Ĭ	_	Ť	Ť	•	•
Greater Cleveland Computer Center					-					Ť	-		_	_	-	Ĭ	
Greer Sontag Associates Inc.	-	+-	+-					_		_						-	•
Grenier Associates Inc.		$\vdash$			$\vdash$								-		$\vdash$		
Groundstar Software	-	+-			-	-				•	•		-			•	•
Group Operations, Inc.			-		$\vdash$					Ť			•			_	•
Grumman Data Systems Corporation		-															
Gull Resources Management Systems, Inc					-		-	•		•	•	•	_			•	•
Gulley Computer Associates		Ť	Ť					_	Н	Ť	_	_				-	•
H & A Computer Systems Inc		$\vdash$		•			•		Н			•		_		•	•
HBO & Company		-		Ť		Ť	-	•				-				_	•
HDR Systems Inc.		$\vdash$						•	•				•	•			•
HW Systems, Inc.		$\vdash$					•	Ť	_				Ť	Ť	_		•
H & M Systems Software, Inc.		$\vdash$							•				•			•	•
Hadron Inc.			-									-	Ě		_		H
Hal Systems & Services										•	•			-		Ĭ	•
Hall and McChesney		$\vdash$			-					_	_		•			-	•
Hallahan, G.W. and Co Inc.		1					_		-	•	-		_	_	Ť		•
Hancock-Dikewood Services Inc.		$\vdash$				-		•	_	-			•	•	•	-	•
Haney & Associates		_				_	•			•	•			-			7
Hansco Data Processing Inc.				•			•		•	•						•	ŏ
Harfst Associates Inc.				Ė			•		•			•				•	-
Harris & Paulson Inc.																•	•
Harris Data Service Inc.	•									•	•	•				•	•
Hart Systems Inc.										•	•						•
Hartley Data Service Inc.				•		•	•	•		•			•			•	•
Haverly Systems Inc.	•		•	•	•	•	•		•	•	•	•	•	•	•		•
Hayden Publishing Software Division	•			•	•	•	•	•	•	•			•			•	•
Health Information Systems Inc. (HIS)								•									•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Health Systems Institute								•									•
Health Systems Institute of Maine	$\perp$																•
Heights Information Technology Service, Inc.	•			•		•	•	•	•		•	•		•	•		•
Heineck Associates, Inc	•									•						•	•
Helm Data Processing Inc.	•		•							•	•						•
Hemenway Corporation	•		•														•
Henco, Inc.	•	_	L	•	•	•	•	•	•	•			•			•	
Henry, Jack & Associates						•											•
Heritage Computer Corporation							•										•
Heuristic DataSystems, Inc.		•															•
Hewlett-Packard General Systems Division											L	L					•
High Technology Software Products,Inc								•	•							•	•
Higley & Company, Inc.	•		•			•				•		•	•		•	•	•
Hilltop Enterprises, Inc.						•		•		•		•	•			•	•
Hogan Systems, Inc						•											•
Holguin & Associates	•	•			_							L				•	•
Hollander Associates	•				•	•		•		•	L	_		_		•	•
Honeywell Datanetwork	•			•	•	•	•	•		•	_		•			•	•
Honeywell Information Systems	•	L				•			_				•	_			•
Horizon Software Systems	_		_		_	_	_	_	•		L			_	_	•	•
Horrigan Analytics		_	┖	L	L								•		_		•
Hospital Data Services	$\perp$	_	L					•			_				┖		•
Houghton Mifflin Company	$\perp$	L			_				•	•	•	•			_		•
Houston Data Center Inc.	•	_		•			_	•	_	•	_		_		┖	•	•
Houston Engineering Research Corporation	•		•		•		_	_			┺	_		L	ļ	_	•
Houston Information Systems Inc	$\perp$	_	_		_	•								_	L		•
Houston Processors Inc	•	-	•		╙	_	_				-	_	_	⊢	-	_	•
Howard Finley Corporation	•	-	-						-	-	-			-	-		•
Human Computing Resources Corp.	•	-		-	-			-	-				•	-			•
Humatix Business Systems Inc.		•	-		-	-				-	-			-	-		•
Hydra Computer Corporation	-						-							•		•	•
Hydrocomp Inc.	+	-			•		-			-	+			-	-		•
IDC Data Services Inc.	-	+	-		-		-	•		-	-	-	-		-	_	•
IDSI		-	•	$\vdash$	-	-	•			-	+		-		-		•
IFA Computer Services Inc.	-	+	-				•			-	+		-	-	-	•	•
III Systems, Inc.	-	+	+		-	-	•	-			-					-	•
ISI Systems Inc.		-	-	-	-	+	•	-	-				-	-	-		•
I-Concepts, Inc	_			_		_	-		_	-	10	-					_

CAMP INDUSTRY INDEX		_	_	_			_										_
INDUS MARK COMPANY NAME	STATAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
IBIS Corporation										Ė				•			
Iconix	•						•	•	•				•	-	-		
Ikonas Graphic Systems Inc			-	-	-	-	-	Ť	_	-			Ĭ				
Illiana Data Processing					-	-		•	•		-				•	_	
Illinois Micro Inc				-			Ť		Ĭ	_					H	_	
Improved System Technologies Inc.		-		•			•		•		-			•			
In-Situ Inc		-		Ť	-	-	-		_	_						_	
Incepts, Inc.		-	-	-		_						-					
INCO Inc.		$\vdash$					-			-			•	•			•
Indecon Inc.	•			•	•	-		•	•	•	-	-	•		-	•	-
Independent Computer Systems (ICS)				-	-	-	Н	=	_	_	-	•	-			_	•
Independent Tax Corporation (ITC)		$\vdash$	-	-		-	Н		-			-					
Index Systems Inc.					-	•	•	•	-	•		-	-	-	-	_	
Indiana Gas Company, Inc.		-	-	-	-	-	H		-	-			-				
Indiana National Bank		-	$\vdash$		-	•			-	-	-	-		-	-	_	•
Industrial Programming, Inc.		$\vdash$	-		•	-	_					-	-	-		_	•
Industry Data Services		•			_	-		•				-		-		•	
Info 3		-	-	•			•	•	•	•	-	-	•			-	•
Info-Data Services, Inc.		-	•	_	-	-	•	-	-	_	-	0	-	•	•	•	•
Infodata Systems Inc.			•		$\vdash$	•						-	•		•	_	•
Infographics Inc		-	_			•	-				-		-	-			•
Infomark, Inc.		-		-	-			-		•		•	-	-		-	•
Infomart		-	•		-	•			•	ŭ		-	•	-		•	•
Infomed		-	-			_	Н	•	-	$\dashv$	-		-			-	•
Informata Landex Systems		-	-	Н				_			-	-	-	-			•
Informatics General Corp				•		•	•	•	$\dashv$	•		-	•	•	-	•	-
Information & Communications, Inc.		-		-	-	_	-	-		-	-	-	Ť	-	-	ŭ	-
Information & Publishing Systems, Inc.		$\vdash$		Н			-					-	-	-	-		•
Information Access Systems, Inc.		•						•	$\dashv$	-		•		-	$\dashv$	-	•
Information and Systems Research, Inc. (ISR)								Ť				-				•	•
Information Associates, Inc.									•							-	•
Information Automation, Inc.	•															-	•
Information Builders, Inc.	•			•	•		•	•	•	•		-	•		-	•	•
Information Catalysts, Inc.	•			•	•	•	•		•	•			•			•	•
Information Consultants Inc.													•	•			
Information Control Inc.																	•
Information Dynamics Inc.	•									•						•	•
Information Equities Inc.				•			•				$\neg$	_					

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Information Handling Services					•				•				•	•	•	•	
Information Management International						•		•		•							•
Information Management Technologies		•	•	•		•	•			•	•	•	•	•	•		
Information People Inc, The	•			•		•	•	•		•	•	•	•	•	•	•	•
Information Plus, Inc			•														•
Information Processing Corporation	•	•	•		•								•		•		
Information Processing Directions, Inc.	•									•							
Information Processing Techniques Corp.																•	•
Information Recall Systems, Inc.														•			•
Information Research Associates	•	•		•	•	•	•		•	•			•			•	•
Information Resources Ltd										•	•	•					•
Information Science, Inc.	•			•	•	•	•	•		•			L		•	•	•
Information Sciences, Inc.			L			•	_			•	•		•				•
Information Services, Inc.	$\perp$	•	•	•							•	•					•
Information Systems Design, Inc.		•		_		_							•	•			•
Information Systems Inc.	•	L			_	_	L	_		L	_	<u> </u>	Ļ				•
Information Systems Inc. Inforware Systems, Inc (ISI)	+-	•	_	_		•	•	•		•	_	_	•	_	•	•	•
Infoservices, Inc (181)	+	$\vdash$	-	_	-	•	-		_	•	•	•		_		•	•
Infotec Development Inc.	+		1	_		<u> </u>	-			_	-	-	•	•		•	•
Infotecs	•	•	•				•	_	_		-	-	-	-	-	•	•
Innosys, Inc.	-	•	-	-	-	•	-		_	-	-	-	-	-	-	_	•
Innovative Software	•			•	•	•	•	•	•		-	$\vdash$	•	-	-	•	•
Innovative Systems, Inc.	+	-	-	-	-	•	_		_	-		-	_	-	-		•
Input Output Computer Services	+	-	-	-	-	-			_			Н	•		•		•
Input Services, Inc.		-		•	•	•	•	•	•	•			•	•	H	•	•
Input Systems Inc.	+	$\vdash$		-	-	•	-	_	_	-	-		_	-	•	•	•
Insac Software Inc.	•			•	•	•	•	•	•				•			•	•
Insco Systems Corporation	-			-		-	•		_	-		-		-	-		•
Inslaw, Inc	+	-										-	•	•	•		•
Instacom, Inc				•		•							-	-	-		
Insurance Data Processing Inc.	1	1			-		•										•
Insurance Data Systems	1						•										•
Insurance Information, Inc							•										•
Insurance Processing Services, Inc.							•										•
					1												
Insurance Servicing & Information Systems Corp.							_	_					•	_		•	
Insurance Servicing & Information Systems Corp.  Insurance Systems Inc.  Insurance Systems of America							•						•				•

CAMI INDUSTRI INDEA																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Intech, Inc.				Ė	-			_				_	•		0.2	9,	•
Integon Computer Corporation	+-	Н	$\vdash$		-	•	•	$\vdash$	_	Н	-	_	-	Н	_	-	•
Integral Business Computing, Inc.			$\vdash$		-	-	_	_			•		_				•
Integral Systems, Inc.	-	-	-				•	•	•				_			_	-
Integral Systems, Inc. Integrated Automation Inc.	-	•		-	•	•	ч		_	Ы	_	_	•			•	_
Integrated Automation Inc.  Integrated Business Methods Inc. (IBMI)	10	•	-	•	-	•		_	_	•	•	•	•	•		•	•
Integrated Business Methods Inc. (IBMI)  Integrated Computer Services Inc.	+-	_	-	-		_	•		_	_						_	•
Integrated Computer Services Inc.  Integrated Software Systems Corporation (ISSCO)	+-	•	⊢	_	_	_	_			•			_			•	•
	•	_	-	•	•	•	•	•	•	•			•	•			•
Integrated Systems Management	+-	_	-	_	_	_		•		•	•	•					•
Integrated Time Systems		_	_	L.	_												•
Intel Systems Corporation			_	•	•	•		•	•				•	•		•	•
Intellectron International, Inc.	$\perp$		1		_			•									•
Intelligence Interlink Corporation	_			_		•							•			•	•
Intelligent Systems Corporation		L	L														•
Inter Systems, Inc.			L										•	•			•
Inter-Care																	•
Intera Environmental Consultants, Ltd.					•								•				•
Interactive Applications, Inc.	•	•															•
Interactive Elements Inc.			•														•
Interactive Inc.	_	•						•				•					•
Interactive Information Systems, Inc.	•	•	•														•
Interactive Logic Inc.	•												•			•	•
Interactive Management Systems, Inc. (IMS)		•	•									•					•
Interactive Management Systems Corp.	•									•			•		•	•	•
Interactive Market Systems, Inc.	•			•	•	•	•	•	•	•	•	•	•				•
Interactive Software Inc.	•		•														•
Interactive Software Systems Inc.					•					•		•				•	
INTERACTIVE Systems Corporation	•	•	•	•		•	•	•	•	•			•			•	•
Interactive Technology Inc.	•			•	•	•	•	•	•	•			•			•	•
Intercomp	•		•										•				•
Intergraph Corporation	•		•													•	•
Intermark Systems, Inc.	•			•								•					•
Intermetrics, Inc.	•												•	•			•
Intermountain Health Care, Inc								•									•
International Business Services Inc.													•	•	•		•
International Computaprint Corporation	•	•			•								•	•			•
International Computer Technology (ICT) Corporation	•	•				•		•		•			•		•		•
International Computer Systems					•					•	•						

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
International Computing System			•														•
International Data Base Systems, Inc. (IDBS)				_	•	•	•	•	•					•	•		•
International Environment Research, Inc. (IER)						•											•
International Graphics																•	•
International Management Systems Corporation	•					•	•			•							
International Market Resources Services	•					•	•				•					•	
International Mathematical & Statistical Libraries, Inc.	•								•				•				
International Micro Systems Inc.								•	•		•	•				•	
International Programming Labs																•	
International Systems, Inc.		•	•	•	•	•	•		•			•					
International Telecontrol Corporation				•		•	•	•	•	•		•					
Interpac Software, Inc.	•			•	•	•	•	•	•	•			•			•	
Interpretive Data Systems								•									•
Interpretive Data Systems	$\perp$							•									
Interstate Business Services	•		L				•		_								•
Interstate Computing & Software Corporation	$\perp$						•										•
Interstate Computing Inc.	$\perp$					•	_	•	_	•	•	•					•
Intersystems Software Inc.			_	_		•									_		•
INTERTEC	•	_	_	_	L			L	•					_			•
Intimate Services	+	_	╙		╙	L	L		<u> </u>	•	•			_	L.	_	•
Introdata	•	╙	<u> </u>	ļ.,	L			_	•				_			•	•
Investment Computer Services Inc	•	╙	_	•	•	•	•	•	•	•			•		_	•	•
ISIS Systems, Inc.	•	_	┞-	<u>_</u>	_	_	•				_	_			•	_	•
J.M.S. and Associates	•	1		-	•	•	•		_	_		_	_	_	_	<u> </u>	
JCI Data Processing Inc.	-	•	1	╙	_	╙	•	L	•	L	_	_	•	_	_	•	
JES, Inc.	•	╙	_	╙	L	L	<u> </u>	-	_	•		•	_			_	
JMI Software Consultants Inc.	4_	╙	L	╙	•	L	_	•	_	•		-			_	•	•
Jackson Seismic Processing Inc		-	•					-							_	_	•
Jacobsen & Associates		•	•	-	-	-					-		_				_
Jason Data Services	•		-	•	•	•	•	•	•			-	-	_		•	•
Jayanel Computer Services	•	-	-		-	•	•		•		-	-					9
Johnson Computing Inc.	•	-		•		•		•		-			•	•	•	•	9
Johnson Systems Inc.  Johnston Brown & Associates Inc (JBA,Inc)	•	-	-	•	•	•	•	•	-		-		-	-	-	•	9
			-	-			-	•		-	-	-				-	1
Jones/Hosplex Systems, Inc		-	-			-		-		-						-	
K & H Computer Systems, Inc. K & R Custom Software Inc	-	-	-	-	-	-	-			-	-		-		-	-	1

CAMI INDESTRI INDEA																	
INDI MAI	USTRY RKETS	TOTAL MANUFACTORING	PROCESS MANIEACTIBING	ATION		FINANCE		MEDICAL & HOSPITAL		RIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	RNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT		
COMPANY NAME	TALL DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR D	SCREET WAIN	DOCESS M	TRANSPORTATION	UTILITIES	BANKING &	INSURANCE	EDICAL &	EDUCATION	TOTAL DISTRIBUTION	ETAIL DIST	HOLESALE	FOTAL GOVERNMENT	EDERAL GC	FATE & LO	SERVICES	OTHER
VDV		_	-	4 E	12	20	=	Ξ	国	Ĕ	~	×	Ĕ	Œ	ග	S	
KBM	•		1					_									•
KGA Engineering Inc	•	1	+	1	_			_		•							•
K-Squared Systems		$\perp$	+	•													
Kaiser, M.A. & Associates	•	1	$\perp$	-						•						•	•
Kappa Systems Inc.		1	1	_									•	•	•		
Kates Komputers		1	1	$\perp$		•		_									•
Keane, Inc.	•	_		ــــــــــــــــــــــــــــــــــــــ	•	•	•		•	•	•	•	•		•	•	
Kearney, A T	•	1	_			•		•									
Kearns and Company		$\perp$	-	_			•	•		•	•	•				•	•
Kebert Corporation	•	_		_	_		•		_	_						•	•
Kennedy & Coe	•			-	•	•	•	•	•	•	•		•		•	•	•
Kentron International Inc.		_	1	•	•						_		•	•	•	•	
Key Data Services Inc.		_	1						_								•
Key Financial Systems Inc.		_	_			•											
Key Management Inc.	•	_	-					_		•	•	•					•
Key-Matic Corporation		-		_		•		•									•
Keydata Corporation	•		1	_						•		•					•
Keypunch & Systems Support, Inc.	•	1		•	•	•	•	•	•	•			•			•	•
Keystone Computer Associates Inc.		_	$\perp$	_		•							•	•			•
Keyvest		$\perp$	$\perp$			•											•
Kimbrough Computer Sales, Inc.		$\perp$	$\perp$	$\perp$		•	•	•				•				•	•
Kirby Computer Systems		_								•	•	•					•
Kirchman Corporation		1		_		•											•
Kitzmiller Systems		1	$\perp$		•	•				•							•
Klaassen & Associates								$\perp$									•
Knuth Computer Services Inc		_	+	•	•											•	•
Kor Data Systems Inc.	•	•			•			•		•	•	•					•
Kranzley & Co., Inc. Krohm International, Ltd		-	-	-		•											•
LCS Data Processing Inc.	•		1					_									•
LNK Corporation		-	+			•		_		_							•
Link Corporation  Laidlaw, Richard E Inc		-	-				_	_		_			•	•			•
Lakeland Computing Service Inc.		-	-				_	4	-	•	•	•	_	_			•
Lambros, Peter & Associates	•	-	-			•	-	-	•	-	_		_			•	•
LAN Systems, Inc.	•	-	-				-	-	_	_	_		_		_		•
Lanco Data Processing Services Inc.		_	-				-	4	_	•		•				•	•
Landart Systems, Inc.			-	-				-	-	•	•	-	4	_	_		•
Langston Kitch & Associates	•	-	+	•	•	•	•			_	4	-					•
Langaton Mitch & Associates					-			•									

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Language & Systems Development Inc.													•			•	•
Language Processors, Inc.		•								•	•						•
Latham Computer Center Inc.		Г											Г				•
Lawn Data Corporation		Г		•		•	•	•		•		•					•
Lawson Associates		Г		•	•	•	•	•	•	•			•			•	•
Legal Accounting & Management Systems		П															•
Legal Data Systems	$\top$	Г														•	•
Level IV Products, Inc.				•	•	•	•	•	•	•							•
Levis, J. Preston Regional Computer Center									•				•				•
Libra Programming, Inc.		•	•	•		•				•	•	•	•		•		•
Libra Technology Group								•					•	•			•
Lifeboat Associates Inc.		•		•	•	•	•	•	•	•	•	•	•	•	•		•
Link Systems	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Linton, Shafer & Co																	•
Liocs Corporation		•				•			•	•	•	•		┖			•
List Processing Company, Inc.				•	•	•	•		•	•	•		•	•	•		•
Listmark Computer Systems Inc.	•									_	┖		L				•
Little, Arthur D., Inc.	$\perp$					•		L		_	•		•				•
Little, Arthur D., Systems, Inc.	$\perp$	_			L				•	_	•		_	•	•		•
Litton Computer Services		_		•	L				_			_	•	•	_		•
Litton-Mellonics			L	•	L	_		_		L		_	•		╙	•	•
Lockheed DataPlan Inc				•	$\perp$	┖	_		_			_	•	•			•
Lockwood Association Inc, The	•		•	L	$\perp$	_	_	L		•	•	•	_	_	┖		•
Logi-cal Computing Inc.		_	_	•	•	•	•	_	•	╙	┡	╙	•	•	_		•
Logic Inc.		$\perp$	L	┖	_	L.	•	_		1	_		_	1			•
Logical Design Corp.	•		•	_	-	_	_	_	_	•	_	L	╙	_	$\perp$	•	•
Logical Systems Corp.	_	_		_	L	•	_	-	_	-	$\vdash$	_	-	Ļ	ļ		•
Logicon Inc.	•	$\perp$		L	_	<u> </u>	┡	_		_	-	-	•	•	⊢	_	•
Logistics Systems	-	1	-	•	-	-		_	-	-	-	-	-	-	-		•
Logos	•	•	-	-	-	-				-	-			+		-	
Lorber, Raymond G., Inc.	-	-	•		•		•	-	-	•	-	-	•	-			•
Loris Data Associates Inc	•		-	•	-	•			-	-	+	-	1	-	-	•	•
Loud Consulting Corp	-		-	-	-	+-	•	9	-	-		-	-		-	•	•
Louisiana Companies	-		-			•	•	•				-	-	-	-	-	•
Louisville Tabulating Service Bureau	•	-	-	-	-		-		-	-	-	-	-	-	-		•
Loumar Management Systems			+	-	+	+	-	-	+		-		-	+	-	-	•
Lowell-Welter Associates	-	_	+		-			-		-	+	-	-	+	-		•
Lowenthal Programming Corporation			_	10		1	1		1				_	_	_	_	_

INDUSTRY MARKETS  COMPANY NAME  Lowry, James H & Associates	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	• UTILITIES	BANKING & FINANCE	INSURANCE	● MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Lupfer & Long, Inc.	-	-	-	-	-	-	_	-	_	-			_			_	
Lycor Inc.	+	$\vdash$		-	-			-	-	-			_	-	-	_	
Lynch Data Processing		$\vdash$	-	-			-					•	-	_			
M C S Company (The)								•	•	-				-	-		
M.W.L. Inc	•		-	-	-		-	_	_	H		-	-	_		_	
M/A Com Sigma Data Inc Corporation	۰	$\vdash$	-	-		-	-			Н			•				
MBS Consulting	+	$\vdash$					-			Н			Ť	Ť		•	
MBS Software			•	-	•	$\vdash$	-	-			•	•	•			•	
MCBA	+-	$\vdash$	Ť	-				_		H	_	-	Ĕ	Ť	-	_	
MCRB Service Bureau	+				-	$\vdash$							•			_	
MCT Information Systems, Inc.	+				-		•	•	•	d			Ť			•	
MD-Dexel Systems Corp	+						-	_	-							_	
MDCR, Inc.	•		•				•			•	•	•	•		•		
MDS Lawtime	+	-		-	-	-	Ť						_	_		•	
MDS Soft Pro System	+	$\vdash$				-							_	_		•	•
MDS, Inc.	+					•							-				
MHT Services Inc.				_		•	•	•		•				-			•
MIS Associates									•	•							•
MIS, Inc.					•		•	•	•	•					•	•	•
MJK Associates					_	•											•
MSP, Inc.		•	•	•	•	•	•	•		•	•	•	•	•		•	•
MVSE Software									•	•	•	•					•
MVT Microcomputer Systems, Inc.		•														-	•
MacDonald Computer Systems								•		•						-	•
MacNeal Schwendler Corporation				•													•
Macro Corporation	•		•		•												•
Macro 4 Inc.	•	•	•	•	•	•	•	•									•
Magnum Communications, Ltd						•				•							•
Mailhouse, Inc.	•	•	•							•	•	•					•
Mailing Data Services																	•
Major Computer Corporation  Mamba Inc	-									•							•
	•	•	•														•
Management & Computer Services Inc.  Management Computer Services, Inc.				•	•	•	•	•		•			•			•	•
Management Computer Services, Inc.  Management Computer Services, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Management Computer Services, Inc.  Management Computer Controls	-							_					•	•			•
Management Control Methods Inc.	-	•	•						_							•	•
Management Control Methods Inc.	I a	-	-			•	•			•		•	•	•	•		

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Management Control Systems Inc.		•								•		•					•
Management Data Services Corporation	$\top$						•									•	•
Management Data Systems Inc.	T					•	•										•
Management Decision Systems Inc.		•							•							•	•
Management Decision Systems, Inc.		•		•	•		•						•				•
Management Decisions Development Corporation	•		•	•				•	•							•	•
Management Directions, Inc	•	•				•	•	•		•			•				•
Management Group Inc.	•				•	•	•	•	•	•			•	•	•	•	•
Management Reporting Service	•	•	•			•				•	•					•	•
Management Science America	•			•		•	•	•	•	•	•	•	•			•	•
Management Services Inc.	•					•	•	•		•						•	•
Management Systems & Programming Inc.	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•
Management Systems Corporation							•								•	•	•
Management Systems of Wausau Inc.								•	_	_							•
Management Techniques, Inc.	•	•	•	•					_	•	•	•		_			•
Management Technology Inc. (MTI)	•	•	•	<u>_</u>	L	Ļ			Ļ	•		•	•	•	•		•
Managistics Inc.	•	_	_	•	•	•	•	•	•	•	_	_	•	_			•
Mandalla Information Systems	+-	_	_	_	_	L	_		L	_	_	_	_	_	_	_	•
Manley Data Processing Company	•	•	•	•	•	•	•	•	•	•	_	•	•	-	•		•
Manlius Valley Enterprises Inc.		•	_	_	-			_	_	•	•	•		_	_	•	•
Mann Data Inc.	•	_		L	<u> </u>	_	_	_	Ļ	•	_	•	_	_	<u> </u>	_	•
Mann, Charles & Associates Micro Software Division	-	_	_		├-	•	_	•	•	_	_	<u> </u>	_	<u> </u>	_	•	•
Manufacturing and Consulting Services Inc (MCS)	•		_	_	-	_	_	_		ļ	_	_	_	-			•
Manufacturing Data Systems, Inc.	•	-	_	_	_	_	_		_		<u> </u>	_	_	_			•
Manufacturing Education Services, Inc	•	_	_	<u> </u>	-		_	_		┡	_		<u> </u>	<u> </u>	-		•
Manufacturing Management Systems,Inc	•	•	•		-	-	_	H	H	-	$\vdash$	-		-	-		•
Manufacturing Resources Management		•	•		-	-		-	-		-	-			-		•
Manufacturing Solutions and Systems	-	•	•	-	-		-	-	-			•	•	-		•	•
MANUS Services Corporation	-	-	-	-			-			-	-	-	-		-	•	•
Marathon Management Systems MARC Analysis Research Corp.	-		-	•												-	•
Marcam Data Systems Corporation		-		-	-	-				-							•
Marchbanks and Parker, Inc.	-									•	•	•					•
Marcoin Business Management Services, Corp	+									•	•	-					•
Marine Management Systems				•						۲	-						•
Mariposa Corporation	-			•	•	•	•	•					•		•		•
Maritime Computer Corporation	-			•	-	-	•	-	•	•	•		-		-	•	•
Mark/Ops	-		-	•	+		Ť	•	<u> </u>	+	+	-	•	-	-	•	•

CAMP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Market Data Systems Inc.			•	•		•							•				•
Market Research Tab Inc.			-	-		-	Н	Н					Ť	-	Н	•	d
Marketing Decisions, Inc.	+	$\vdash$		-	-	•		Н				-		$\vdash$	Н	-	6
Marketron	+			-	-	Ť			-					-			•
Marquette Services Corporation	+	$\vdash$	-	-	-	•		H			-	-	_	-	Н		-
Marshall & Stevens	1				-	•	•		•				•	-	•		-
Martin and Stern Inc.		•		-	-	-	Ť	H	Ť				•		Ť	-	•
Martin Marietta Data Systems		•	•	•	•		-	Н	•	•	•	•	•	•		•	•
Masser Systems Inc.	-	-	-	_	-	-		Н	ŭ	Н	•	ŭ	ŭ	-	-	_	H
Master Data Center, Inc.	+			-	-	-	Н	Н		-			-	-	-	•	Ħ
Master Information Systems	+	Ŭ	-	$\vdash$				-		-	-			$\vdash$		Ĭ	ä
Mathematica, Inc.	-	•		•		•	•	-	•	•			•	$\vdash$		•	•
Mathematical Applications Group	Ť	Ť	_	-		_	•	Н	_	-			•	•	•	Ĭ	•
Mathews & Company	+			-	-	•		•		-				Ť	-		
MATHTECH, Inc.	+			$\vdash$				-				_	-				d
Matrix Insurance Services Inc.	+-	-	_			-	•					-		-			•
Matzen and Associates	•	$\vdash$	-	-			Ť	-		-	-	-		-			•
May & Speh Processing Center, Inc.	Ť	•		$\vdash$	$\vdash$		•	•		•		-		-		•	
McCleery, Winston T., Consultants	+	-				_	Ť	Ť		Ť		-					
McCormack and Dodge, Inc.		•	•	•	•	•	•		-	•	•	•	•	-		•	
McCracken Computer, Inc.	-	-	-	•	•	•	•	ŭ	•		-	-	-	-	-	•	•
McCullough and Associates	+-		•	-	-	_	Ĕ	Н	_	-		-		$\vdash$	Н	•	6
McDill Corporation	+	-	_			-		Н	-	-	•	-	-		-	-	6
McDonnell Douglas Automation Company	-	•	•	•	•		•	-	•	•	ŭ		•	-	-	•	Ħ
McGraw-Hill/Multilist	Ť	Ť	_	Ť	-	-	Ť	=		ĭ		-	_	-	-	-	Ħ
McSpadden & Porter Inc.		•	•		-	-		Н									d
Mead Data Central	0	•	-	-	-	•	$\vdash$		•			-	•			•	6
Measurement Concepts Corporation (MC2)	+-	Ť		$\vdash$		-	•		Ť	-		-	•	•	•	•	3
Med Logic Systems				-									-			ä	Ħ
Medi-Serv, Inc.	+		-			-											•
Medical Data Control	+							•									Ħ
Medical Data Services								•									•
Medical Datamation				-			_	•					•			•	ä
Medical Engineering Inc		-						•								-	ă
Medical Information Technology Inc. (MEDITECH)				-				•		•							•
Medidata Inc.								•								•	•
Medinet, Inc.								•									•
MegaSystems Associates						•				•	•	•					•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Mellon Bank Data Center	Т				Γ	•	Г										
Mencom Systems Inc.		1	1		$\vdash$			-		•		$\vdash$			-	•	•
Menlo Computer Associates		Т			T			•			_					<u> </u>	•
Mentor Graphics Corp															$\vdash$	•	•
Meridian Systems Inc														$\vdash$			•
Merkle Computer Systems Inc.	•	•			$\Box$												•
Merrill Lynch Economics		•	•	•		•						_	•	•	•		•
Metamorphics							•		Г	•	•	•				•	•
Metasystems Inc.																$\overline{}$	•
Metier Management Systems, Ltd		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Metro System, Inc.	•		•	•	•	•	•	•	•	•			•			•	•
Metrocom Inc.			•			•		•	•			•		•			•
Metromail Corporation	•		•				•			•							•
Metropolitan Computer Center						•											•
Micom Systems	$\perp$	┖		L												•	•
Micro Applications Group	•		L		•			•	•		•			•			•
Micro Associates Inc.																	•
Micro Business Software Inc. (MBSI)				L	_											•	•
Micro Business Systems Inc.	•									•	•					•	•
Micro Computer Management Inc	•	1			_					•	•	•		L		•	•
Micro Data Base Systems, Inc. (MDBS)	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
Micro Five Corp	4.						_			L_						•	•
Micro Focus Inc.	•	•	•	•	•	•			•	•	•	•	•	•		•	•
Micro Information Systems, Inc.		•	_				•	•		_	_	L.		_		•	•
Micro Macro Systems Inc.	•	•	•	_		•	_	•		•	•	L	•	•	•		•
Micro Solutions, Inc. (MSI)	•	•		<u> </u>	-	_				•	•	•		_	_	•	•
Micro Systems Software Micro-Base Associates, Inc.	-	•			-	_				_	_						•
Micro-Base Associates, Inc. Microbol, Inc.	•				-				•	_	-	_	_	_		•	•
Microcomputer Consultants	-	•	-			•	-	•	_		-		•	-	•		•
Microcomputer Consultants Microcomputer Software		-										_					•
Microcomputer Software Microcon Digital Systems Inc	•	-	-	•		•		•		•	•	•				-	•
Micrographic and Computer Services	-							•		-	-	-	•	•	•	•	•
MicroPro International Corp						-			•	•			•	•	-		•
Microsoft, Inc.	-		$\vdash$	•	•	•	•	•	•	•							•
Microsystems Consulting	-			-	-	-	-	-	-				-			-	•
Mid-American Control Corporation	-				•					•	•	•	•	_	•	•	•
			1		, –						_		_			_	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
Midco Data Systems	•	•		•	•	•		•	•	•	•		•	•	•		•
Midwest Data Systems, Inc.	•			•	•		•		•				•		•	•	•
Midwest Systems Group									•								•
Miller Computing Corp									•								•
Miller Microcomputer Services				•	•	•		•		•						•	•
Millerick & Associates Inc.	Т															•	•
Mincron SBC Corporation				•	•	•	•	•	•	•			•			•	•
Mineral Search, Inc	•		•														•
Mineweld Data Management Center	•									•							•
Mini Data Systems	•	•								•		•					•
Mini-Computer Business Applications, Inc. (MCBA)		•										•					•
Mini-Computer Support Group	•			•	•			•		•			•			•	•
Mini-Max Inc.	_	•				•					•	•				•	•
Minicomputer Modeling Inc.		L	•	•		•			•							•	•
Miningham & Oellerich, Inc.	•			•	•	•	•	•		•		_	•			•	•
Minuteman Computer Corporation	$\perp$				_	•					•	•					•
Mitre Corporation Mnemonics Inc.	-		_		_	Ш			_	•	•					•	•
	+-	<u> </u>			_	L			_			_				•	•
Mobius Division		<u> </u>			•				•			_	_		_	•	•
Modern Computer Systems Corp Modular Information Systems, Inc. (MIS)	+	_		_	-						$\Box$	_	_	Ш	_		•
Modulus Data Systems Inc	+-	<u> </u>			_	•			_	-	$\dashv$	_		Щ	_		•
Monchik-Weber Corporation	•	-	-	_	_		_	•	_			_	_		_	_	•
Money Management Systems, Inc.	-	-	<u></u>		H	H	_		_	•	-	_	•		_	•	•
Montgomery Data Systems Inc.	+	-			-	H		•	_	•							•
Moore Data Systems Inc.	+	-	-	-	H	ч	Н	-	$\dashv$	_	•	•			•	_	-
Multibank Computer		-					•				•	-	-		•		•
Multicept Corporation	-	-					H			•	-	•	•	•	-		•
Multiphase Data Systems, Inc.	+									-	-	-	-		-	•	-
Multiplications, Inc	1			•		•							•	•	•	-	•
Mutual Data Inc.							•										•
Mylee Digital Sciences, Inc.												•					•
NCA Corporation	•	•	•														•
NCNB Corporation	1					•											•
NCR Corporation Data Centers						•		•	•	•	•		•				•
NLT Computer Services	•	•			•	•	•	•	•	•	•	•	•			•	•
NMF Inc.																	•
NSA, Inc.		•	•	•			•	•	•	•	•	•		•		•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Natek Corporation				•				•		•	•						•
National Bancard Corporation	$\top$		$\vdash$			•											•
National Bank of Commerce						•	•			•							•
National Business Systems, Inc.				•	•	•	•	•	•	•		•	•	•	•	•	•
National Computer Analysts Inc.						•											•
National Computer Network of Chicago, Inc.		•	•	•	•	•	•	•	•	•		•	•		•	•	•
National Computer Systems, Inc.		•				•		•					•	•			•
National CSS, Inc.		•	•	•	•	•	•	•	•	•	•	•	•			•	•
National Data Communications								•									•
National Data Corporation			•	•		•		•		•	•		•	•			•
National Database Software, Inc. (NDS)		•	•			•			•	•							•
National Datacentre Corp.	•			•			•		•	•						•	•
National Dynamics, Inc.		•		•		•				•	•						•
National Economic Research Associates, Inc.					•											•	•
National Evaluation Systems, Inc		•	•		•				•				•		•		•
National Information Systems, Inc.	•			•	•	•	•	•	•	•			•		_	•	•
National Planning Data Corp	•	_		•	•	•	•		•	•			•	•	•	•	•
National Real Estate Exchange						•	_					_		_			•
National Sharedata Corporation						•				_							•
National ShareGraphics, Inc.				•		•	•	•	•	•			•			•	•
National Systems Analysts Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
National Systems, Inc				•	•	•	•	•	•	•	•	•	•		•	•	•
National Training Systems			_	•	•	•	•	•	•	•		_	•			•	•
Nelson & Bauman, Inc	$\perp$				<u>_</u>		•										•
Neoterics, Inc.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	_	•
Nestar Systems Inc. Palo Alto ICS Division	+_	-			_			_		•	•	•		_	_		•
Network Computing Corporation			-		•				_			-	-			•	•
Network Consultants, Inc.	•	-	-	-		•				_	•						
Network Data Processing Corporation	-	-	-		•	-	•		•	-			•		•		•
New Century Freight Traffic Association New England Management Services Inc				•				_	-	-		-			-		•
New Systems Inc	-	-	-	-	-	•						-	-		-	•	•
New York Times Information Bank		-	-	•	•	•	•	•	•	•	-	-	•				•
Nichols & Company Inc.	-	-	-	-	•	•	•	•	-	•	-	-	•		-		•
Nicolet Cad Corporation	-				-	-	-	-	-	۳			-				•
Nixdorf Computer Software Co.	-	-		•	•	•	•	•	•	•		-	•			•	•
Timedia comparer corriere co.		-	+-	-	-	-	-	_					_		-	_	
Nordata, Inc.																	

INDUSTRY MARKETS COMPANY NAME		DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
North County Computer Services									•								
Northeast Computer Systems, Inc						•	•						•	•	•		
Northeast Data Systems Inc									•								
Northeast Datacom Inc.						•											
Northeastern Systems Associates Inc.		•		•	•	•	•	•	•	•	•	•	•		•	•	
Northern Consolidated Industries, Inc. (NCI)						•											
Northern Numbers, Inc.										•		•	•			•	
Northwest Analytical Inc.		•	•														
Northwest Computer Services, Inc.		Г				•										_	
Northwest Management Services, Inc.						•	•						•	•			
Nu-Comp Systems, Inc.	•	•	•			•	•		•							•	
Numerax, Inc.	•	П		•						•	•						
Numeric Computational Systems	•	•	•	•	•								•	•			
OAO													•	•			
ODS Systems, Inc.	•	•	•	•						•	•	•	•	•	•		
OK Data Services																	
OR/MS Dialogue, Inc.		•			•	•					•						
Oasys Inc (Office Automation Systems)	•			•	•	•	•	•	•	•			•			•	
Occidental Computer Systems, Inc.								•									
Occupational Computing Company, Inc.	•	•								•	•	•				•	•
OCTO Ltd		•														•	•
Odin Datasystems	•	•								•	•	•					•
Office Automation Resources Inc								•									
Office Manager Inc., The										•	•					•	•
Office Services Inc. (OSI)				•		•	•	•	•	•			•			•	•
Offutt Publishing																	•
Ohio Valley Data Control, Inc.					•	•				•	•						•
Oil Data Processing Co Olympic Systems Inc	•		•			_	_		_								•
Omni Computer Services	•					_		_		•						•	•
Omni Resources, Inc					_			•		•	•						•
Omni-American	-				_	•			_								•
On-Line Accounting Systems Inc.	-					_		•									•
On-Line Business Systems Inc.			•		•		_				-	•	•		-	•	•
On-Line Computer Systems, Inc.	•	o	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
On-Line Data Processing		•	•	-	-	•	-	4	-		4		-		_		•
On-Line Software International	-	H		-	-			_	-	•	4	•		_	_		•
Online Computer Library Center Inc. (OCLC)	_	9	-	_	$\rightarrow$	•	•	_	_		4		•	_			•

INDUST MARKE COMPANY NAME	ST STAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHED
Open Systems, Inc.			•	•	•	•	•	•		•			•			•	•
Operating Systems, Inc.		•		$\vdash$								-	•	•			1
OPOC Computing Inc.	•		•	•									•	•	•		•
ORBIS Inc.	•		•			-		•									•
Oregon Software, Inc.	•			•	•	•		•	•	•			•			•	•
Orr, Stewart P. & Associates	•					•				•						•	•
Overfelt Company, Inc.	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Oxford Software Corporation				•	•		•	•	•	•						•	•
P-Stat, Inc.	•	T		•	•	•		•					•	•	•		1
PAC Systems Inc.		•	•	$\vdash$		•											•
PBM Systems Inc											Г					•	•
PBS Computing																•	•
PCI Systems								•									•
PCS Data Processing Inc.			-														•
PHD Systems for Computing Inc.		•	•			•	•										1
PM Computer Services Co.	•	•				•		•		•			•		•		•
PMS Systems Corporation	•	•							_				•	•			•
PRS - The Program of the Month Corporation	•	•							•								•
PSA, Inc		•		•			•		•	•	•					•	•
PSI Energy Software	•	Т	•														1
PSI-MED Corporation								•									•
PACE Applied Technology Inc.		•	•			•	•	•	•	•	•		•	•	•		1
Pacesetter Systems, Inc.						•											•
Pacific Computer Systems		Т				•	•									•	•
Pacific Data Systems																•	•
Pacific Software Services Co.		•	•	Г					•	•		•				•	1
Palanter Inc.	•			•	•	•	•	•	•	•							1
Panatec Inc.	•	•	•				•	•		•	•	•	•	•	•		•
Pansophic Systems, Inc.	•	•	•	•	•	•	•	•	•	•			•			•	(
PAR Technology Corporation													•	•			•
Para Data, Inc.								•	•	•	•	•	•		•	•	1
Para Research	•			•	•	•	•	•	•	•						•	•
Parallax Systems	•			•	•	•	•	•	•	•			•			•	•
Paramin, Inc.	•	•	•		•	•											1
Parke-Randall Management Co						•				_		_					1
Parker & Associates								•								•	1
Pascack Data Services	•	_		•	L					•	•	•					1
Pascal Development Co.	•	•			•								•	•			Ī

INDUSTRY															_		_	
Pattern Analysis Recognition (PAR) Pattern Systems of NJ, Inc.  Patton Consultants, Inc.  Pax Systems Paychay DBA The Payroll Co,Inc Payday DBA The Payroll Co,Inc Payment and Transfer Services, Inc. (PATSI) Payment Systems Inc. Payne, Bruce Consultants Inc. Payne, Bruce Consultants Inc. Payne, Bruce Consultants Inc. Payne, Bruce Consultants Inc. Payne, Bruce Systems Pearl Data Systems Pearl Data Systems Pearlsoft PECA Associates of Idaho Pegasus Systems Associates Incorporated Pekin Insurance Pelam Inc. Pentamation Enterprises Inc. Pentamation Enterprises Inc. Personnel Data Systems, Inc. Personnel Data Systems, Inc. Personnel Data Systems, Inc. Personnel Data Systems, Inc. Personnel Data Systems Petroleum Software, Inc. Pharmacoutical Card Systems Pharmacon Pharmacon Pharmacon Pharmacon Pharmacon Pharmacon Physics International Company Pillan Data Service Management Inc Physics International Company Pillan Data Service Pincer Computer Consultants Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Physics International Company Pillan Data Service Pincer Computer Consultants Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software, Inc. Pincer Software,	INDUSTRY MARKETS	ACTURING	NUFACTURING	UFACTURING	ION		NANCE		SPITAL		UTION	BUTION	ISTRIBUTION	MENT	ERNMENT	L GOVERNMENT		
Pattern Systems of NJ, Inc.    Patton Consultants, Inc.	COMPANY NAME	TOTAL MANUF	DISCRETE MAN	PROCESS MAN	TRANSPORTAT	UTILITIES	BANKING & FI	INSURANCE	MEDICAL & HO	EDUCATION	TOTAL DISTRIE	RETAIL DISTRI	WHOLESALED	TOTAL GOVER	FEDERAL GOVI	STATE & LOCA	SERVICES	OTHER
Pattern Systems of NJ, Inc.    Patton Consultants, Inc.	Pattern Analysis Recognition (PAR)													•				•
Patton Consultants, Inc.			•	-										-	-			•
Pax Systems Paychex Inc. Payment and Transfer Services, Inc. (PATSI) Payment Systems Inc. Payment Systems Inc. Payment Er. & Associates Peachtree Software Inc. Pearl Data Systems PECA Associates of Idaho Pegasus Systems Associates Incorporated Pekin Insurance Pelam Inc. Penanten. Penanten. Pelam Inc. Penanten. Personnel Data Systems, Inc. Personnel Data Systems, Inc. Personnel Data Systems, Inc. Personnel Data Systems Petroleum Software, Inc. Pharmacoutical Card Systems Pharmacoun Pharmacoun Pharmacoun Pharmacoun Pharmacoun Pharmacoun Pharmacoun Physics International Company Plilan Data Service Pioner Software, Inc. Physics International Company Plilan Data Service Pioner Software, Inc. Phoenal Systems, Inc. Physics International Company Plilan Data Service Pioner Software, Inc. Physics International Company Plilan Data Service Pioner Software, Inc. Physics International Company Pioner Software, Inc. Pioner Software, Inc. Pioner Software, Inc. Physics International Company Pioner Software, Inc. Physics International Company Pioner Software, Inc. Pioner Software, Inc. Physics International Company Pioner Software, Inc. Pioner Software, Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Planmetrics Inc. Plan			Ė			•	•	•	•	•	•			•			•	•
Paychex Inc.  Payday DBA The Payroll Co,Inc  Payment and Transfer Services, Inc. (PATSI)  Payment And Transfer Services, Inc. (PATSI)  Payment Systems Inc.  Payne, Bruce Consultants Inc.  Paynet, F. & Associates  Peachtree Software Inc.  Pearl Data Systems  Pearlsoft  PECA Associates of Idaho  Pegasus Systems Associates Incorporated  Pekin Insurance  Pelam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Pendam Inc.  Personnel Data Systems, Inc.  Personnel Data Systems, Inc.  Personnel Data Corporation  Petroleum Data Corporation  Petroleum Software Systems  Petroleum Software, Inc.  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Photo Data Inc.  Physics International Company  Pillan Data Service  Pinkerton Computer Consultants  Pioneer Software, Inc.  Pioneer Software, Inc.  Pinkerton Computer Consultants  Pioneer Software, Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Planmetrics Inc.  Paramacon  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data Service  Pillan Data		Ť	_		Ť	-	-	-	-	-	-			Ť	-		_	
Payday DBA The Payroll Co,Inc Payment and Transfer Services, Inc. (PATSI) Payment Systems Inc. Paynet, Bruce Consultants Inc. Paynet, Bruce Consultants Inc. Paynet, Bruce Software Inc. Parable Software Inc. Parable Software Inc. Pearl Data Systems Pearlsoft PECA Associates of Idaho Pegasus Systems Associates Incorporated Pekin Insurance Pelam Inc. Petender Inc. Petender Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Inc. Petender Software Systems Petender Software Systems Petroleum Data Corporation Petroleum Software Systems Petroleum Software, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Pharmacoutical Card Systems, Inc. Physics International Company Philan Data Service Pinkerton Computer Consultants Pioneer Software, Inc. Planmetrics Inc.			_	-		•	•	•	•	•	•			•			•	
Payment and Transfer Services, Inc. (PATSI)		+-			_	Ť		-	•	•	•		•	Ť			•	
Payment Systems Inc.    Payment Rystems Inc.		+			_								Ť				-	•
Payne, Bruce Consultants Inc.			•		•						•	•	_	•	•	•	•	
Paynter, E. F. & Associates  Peachtree Software Inc.  Pearl Data Systems  Pearl Systems  Pearl Systems  Pearl Systems  Pearl Systems Associates Incorporated  Pegasus Systems Associates Incorporated  Pekin Insurance  Pelam Inc.  Pentamation Enterprises Inc.  Peoples Trust Bank Data Services Division  Perception Technology Corp  Performance Systems, Inc.  Personnel Data Systems, Inc.  Personnel Data Systems, Inc.  Personnel Data Corporation  Petroleum Software Systems  Petroleum Software Systems  Petroleum Software Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Pharmacon  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Phoson Systems, Inc.  Photo Data Inc.  Physics International Company  Pillan Data Service  Pinkerton Computer Consultants  Pioneer Software, Inc.  Planametrics Inc.  Planametrics Inc.			-	_	-	-		•			-	-		-	Ť	Ť	Ť	
Peachtree Software Inc.		Ť				-		-									•	
Pearl Data Systems         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●		+-			-	-			$\dashv$	_	Н			-	-			
Pearlsoft         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■			-			•	•	•		•	•			•			-	•
PECA Associates of Idaho         Image: Comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison of the comparison o		+-	_	-	-	Ť	-	-	-	-	-		_	-	-			•
Pegasus Systems Associates Incorporated					-	-								-				_
Pekin Insurance		-					-	Н	-		-	Ť	Ť		-			_
Pelam Inc.         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ● <td< td=""><td></td><td>+</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td>Ť</td><td></td><td>Ĭ</td><td></td><td></td></td<>		+	-						-				-	Ť		Ĭ		
Pentamation Enterprises Inc.  Peoples Trust Bank Data Services Division  Perception Technology Corp  Performance Systems, Inc.  Personnel Data Systems, Inc.  Petroleum Data Corporation  Petroleum Software Systems  Petroleum Software, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Pharmaceutical Card Systems, Inc.  Photo Data Inc.  Physics International Company  Physics International Company  Pinkerton Computer Consultants  Pioneer Software, Inc.		+	-			-		Ŭ		-								
Peoples Trust Bank Data Services Division		+-		-	_								-	-	-		-	
Perception Technology Corp						-	_			_					-		-	_
Performance Systems, Inc.		+-	_	-		-		_	-	_				-	-			_
Personnel Data Systems, Inc.  Personnelmetrics, Inc.  Personnelmetrics, Inc.  Personnelmetrics, Inc.  Personnelmetrics, Inc.  Personnelmetrics, Inc.  Personnelmetrics, Inc.  Postal Carporation  Petroleum Software Systems  Petroleum Software Systems  Petroleum Software, Inc.  Pharmaccultacl Card Systems, Inc.  Pharmacon  Pharmacon  Pharmacon  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Photo Data Inc.  Photo Data Inc.  Physics Incernational Company  Physics Incernational Company  Pillan Data Service  Pinkerton Computer Consultants  Pioneer Software, Inc.  Planmetrics Inc.		-	$\vdash$	-								$\dashv$	-					_
Personnelmetrics, Inc.  Petroleum Data Corporation  Petroleum Software Systems  Petroleum Software, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Pharmacoutical Card Systems, Inc.  Phoenix Systems, Inc.  Phoenix Systems, Inc.  Physics International Company  Pillan Data Service  Pinkerton Computer Consultants  Pioneer Software, Inc  Planmetrics Inc.			-	-	-	Ť		_	-	-	_	-	-	-	_		_	
Petroleum Data Corporation		+	-	-	-	-	_		-	_		$\dashv$	-	-	_		-	_
Petroleum Software Systems		+	-			-	-		-	_		-	-	-	-		-	
Petroleum Software, Inc.			$\vdash$		-	-			-		-	-	-	-	_	-		
Pharmaceutical Card Systems, Inc.		-	-	-	$\vdash$	$\vdash$	-					$\dashv$	-	-	-	-		-
Pharmacon		+	-	_	$\vdash$	-	-			-			-				-	_
Pharos, Inc. Phoenix Systems, Inc. Photo Data Inc. Physicians Practice Management Inc Physics International Company Plilan Data Service Pinkerton Computer Consultants Pioneer Software, Inc Planmetrics Inc.		+	-	-	$\vdash$	Н		-				-		-	-	-		
Phoenix Systems, Inc.         • • • • • • • • • • • • • • • • • • •				-	-						_	-		-	-			
Photo Data Inc.	Phoenix Systems, Inc.	+-	_	-				-		_	-	-	ŭ			-	_	
Physicians Practice Management Inc  Physics International Company  Pillan Data Service  Pinkerton Computer Consultants  Pioneer Software, Inc  Planmetrics Inc.		+-	ř	-	Ť	Ť	Ĕ			$\dashv$	_			-		-	_	
Physics International Company         • • • • • • • • • • • • • • • • • • •		-							•				-					
Pillan Data Service		1		•	•	•								•	•		•	
Pinkerton Computer Consultants         • • • • • • • • •           Pioneer Software, Inc         • • • • • • • • • • • • • • • • • • •			_		_	-		•	•		•			-			_	
Pioneer Software, Inc         • • • • • • • • •           Planmetrics Inc.         • • • • • • • • • • • • • • • •	Pinkerton Computer Consultants	_					•	_							•	_	Ť	
Planmetrics Inc.	Pioneer Software, Inc	-	•	•							-		•	-		-		
	Planmetrics Inc.		•	•		•			•		_		_					
	Planning Research Corporation	T												•	•	•	•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Plansmith Corporation	$\perp$					•											•
Players Computer	•	•		•	•	•		•	•	•							•
Plus Computer Technology	•					•	•	•	•	•						•	•
Plycom Services	•	•	_													•	•
Point 4 Data Corp.	•	•	•	•									•	•		_	•
Poise Company Inc.	1								•				•		•	_	•
Police Data Systems	╨												•		•	_	•
Policy Management Systems (PMS)	╄	L	_				•						_				•
Polymorphic Computer Systems	•	L	L.			•	•	•	_	•			•			_	•
Poorman-Douglas Corporation	•	_	<u>_</u>	_	_	•		•	_	•						•	•
Potomac Scheduling Company	•	L	╙	•	_				_	<u> </u>				_		_	•
Practical Business Systems Inc	1	Ļ	-	_	-	<u> </u>	_		_					_		_	•
Practical Management Consulting, Inc.		•	-	_	_	_	_	•	_	•	•	•	_	_		•	
Precision Visuals, Inc.	•	•	•	•	•	•	•	•	•	•	•		•	_		•	-
Prime Factors	•		$\vdash$	•	•	•	•	•	-	•	•	•	•	•	H	•	=
Pritsker & Associates, Inc. Processing Center Inc., The	-	•		-		•	Ц	-	-	•	-		-	-	Н	-	
Processor Innovations	1	+	•		$\vdash$	$\vdash$		-	-	-	-		_		Н	-	•
Prodigy Systems Inc.		•			•	•		•	•	•			•	$\vdash$			•
Product Group, Inc.	-	-	-	$\vdash$	-	-	-	-	-	-	-	•	_	-	-	-	•
Productive Computer Systems	+	-	+-		-		-		-			•	-	-			•
Professional Billing Corporation	+	$\vdash$	+	-	$\vdash$	┢	-	-		-	-		-	$\vdash$			•
Professional Business Industries Inc		+	+	-	$\vdash$	+	-	-	-	$\vdash$	-		-			-	•
Professional Business Software	+	+		-	$\vdash$	+-	-			$\vdash$	-	-	$\vdash$				•
Professional Computer Solutions Inc.					+-		•	•	•	•	•	•	•	-	•	•	•
Professional Computer Resources, Inc.	0	-	Ť		$\vdash$	•		•	Ť	•	Ť	-	•		-	•	•
Professional Computer Services		+	$\vdash$			•				•	•					•	•
Professional Computer Systems				-	-	-				۲							•
Professional Data Services				•						•		•				•	•
Professional Data Systems	+	1		Ť	1		•							$\vdash$			•
Professional Geophysics Inc.																	•
Professional Hospital Services								•									•
Professional Systems Corporation				•						•		•				•	•
Profimatics Inc.			•														•
Profit Control Systems	•		•														•
Profit Group, The		•		•			•	•		•		•				•	•
Profitool, Inc.																	•
Program Control Corporation														•	•		•

CAMP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Program Design Inc.									•								•
Program Systems, Inc	$\top$									•	•					•	•
Programmed Control Corporation	+	-								•	$\neg$	•					•
Programmed Systems Inc	_	_		•						•						•	•
Programs & Analysis, Inc.						•	•	•	•	•		•	•	•	•		•
Project Software & Development, Inc.	-		•		•									•	•		•
Proprietary Computer Systems, Inc.			•	•		•								•		•	•
Proprietary Software Systems, Inc.	+			-									•	•		•	•
Pryor Corporation		•		$\vdash$			•			•	•	•					
Psych Systems, Inc	1							•	•								•
Pulsar Systems Inc		•	•	$\vdash$		•				•		•				•	•
Puter Associates								•					•	•	•		
Ometrics, Inc.						•	•		•	-			_				•
Quadra Systems		•		•	•	•	•	•	•	•			•			•	•
Quadrex Corporation				•	•								•	•	П		•
Quadstar Corporation						•				•	•		_				•
Quality Systems				•	•	•	•	•	•	•			•			•	•
Quanta Data Processing Inc.				$\vdash$		•		•		•			•				•
QuanTeckna Research Corp		Т			•	•	•	•		•			•			•	•
Quantitative Software Management, Inc.				•	•	•	•					•	•				•
Quantum Computer Services	$\top$					_	_									•	•
Quasar Systems Inc.					•	•	•	•	•	•			•			•	•
Quest, Inc.				-				d		•		•	•	•			•
Quic-N-Easi Products, Inc.				•			•	d	•	•			•			•	•
Quick-Tax Ltd	-				_									-		•	•
Quill-Tronic Systems			•	•													•
Quodata Corporation									•						•		•
Quotron Systems Inc.						•	•										•
R.A.I.R.	•															•	•
R.D.P. Computer Services	•					•		•		•			•				•
RDA, Inc.									•				•	•			•
RLG Corporation						•							•	•			•
ROI Consulting Inc.	•	•	•			•	•										•
RTR Software						•											•
RWB Associates							-	-			_					_	-
	•	L	L	•			•				•						•
Racal-Redac, Inc.	•	•		•		-					•	•	_	-			•
		•	•	•		•	•			•	•	•	•			•	

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Randolph Technical Services, Inc.		Г		•	•	•	•	•	•	•						•	•
Rans Micro Systems, Inc		$\vdash$						Ė		Ė		$\vdash$		_			•
Rapid Data Inc.			•			•	•	•	•	•	•	•		_		•	•
Rapidata, Inc.	•				•	•											•
Rath & Strong Software	•																•
Rath & Strong Systems Products, Inc		•	•														•
Rational Data Systems (RDS)				•	•	•	•	•	•	•			•			•	•
Raven Systems and Research, Inc.	Т	Γ											•	•			•
Raxco Inc.	•			•	•	•	•	•	•	•			•			•	•
Ready Data Service Inc.								•			•						•
Real Estate Data																	•
Real Estate Information Tracking Systems						•										•	•
Real Time Services	$\perp$		L					•			•	•				•	•
Reality Software Company	$\perp$	_			_												•
Realtron Corporation														_			•
REAP Inc.		_	L	_	L	L.					•		L.	_			•
REC-CHEK, Inc.	+-	_	L	_	ļ_	•				_	_			_			
Redshaw Inc.	+	⊢	-	L	┡	-	•		_	_	_			_		_	•
Rehab Group Inc. Relational Software Inc.	-	⊢	-	_	-					_	_	_	•	•			
Relational Technology, Inc.		-	-								_		•	•			
Remote Computing Corporation	•	-		•	•	•	•	•	•	•	-		•	-	-	•	Ė
Republic Airlines, Inc		$\vdash$		•	$\vdash$	•	-		-		-	-	_	-			ŀ
Republic Service Bureau Inc	-	-	-	-	$\vdash$	-	-	-	-		-	$\vdash$	-	_		Н	ì
Republic Technology Corp Systems Division		+		-		-	-		-	-	-	-					
Resource Software International, Inc.	-		-	-	-	⊢		•		-		$\vdash$	-	$\vdash$		•	•
Response of Hawaii, Inc.	1	-			$\vdash$		•	-	•	-	-	-	-	-		-	
Retail Information Systems, Inc.	+					-					•	-				_	È
Retail Merchandising Service	+		-	-	-	-				•	•	-					Ì
Reuters North America		-					•			•	-	-				•	i
Reveal Software, Inc	Ť			-	Ť					-							•
Revere Technology	0	-				1											C
Reynolds & Reynolds Company, The	1							•		•						•	C
Rhintek, Inc.				•	•	•	•	•	•	•			•			•	1
Roanco Associates								•									•
ROCI, Inc.																•	•
Rocliff Associates, Inc.					•								•				•
Rodin Industries, Inc.			•					•	•							•	(

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Roshell Ivri Software Company						•	•										
Ross Systems Inc.		•	•		•	•										•	•
Ross, Robert H. and Company Inc	•	•						•	•	•	•						•
Rothenberg Information Systems Inc.	•			•	•		•	•	•	•			•			•	•
Rubel, Andrew & Associates				•	•	•	•	•	•	•			•			•	•
Ryan-McFarland Corp.	•									•	•						•
S.D.I.								•		•			•				•
S-Tek Computer Services, Inc.							•	•	•	•		•	•		•		•
SAB, Inc.																•	•
SAI Systems Associates																	•
SAS Institute, Inc.				•	•	•	•		•	•			•				•
SBD Computer Services				•	•	•	•		•	•			•				•
SD Transport Services, Inc				•													•
SDK Medical Computer Services Corporation																	•
SDPS												•					•
SEI Corporation						•											•
SEI Information Technology		•											•			•	•
SESA Inc.	$\perp$	•		_								•					•
SIC Systems Inc.		•		•												•	•
SJV Data Service Inc.	•		•			•											•
SPSS, Inc.		•	•	•	•	•		•	•	•	•	•	•			•	•
SREA Market Data Center Inc						•											•
SRS Programming Reserve Inc.						•	•	•		•			•				•
SST, Inc.	•	•	•							•	•						•
STS, Inc. STSC. Inc.	•			•						•		•					•
	•	•	•	•	•	•	•	•	•	•	_		•			•	•
Sachs/Freeman Associates Inc. Saddlebrook Corporation	-												•	•	•		•
SAFECO Title Insurance	-					•											•
Safecom Inc.	-						•										•
Safeguard Business Systems, Inc.	+						•		-		_					•	•
Sage Data Inc.	-							•		•		•			_	•	9
Sage Systems Inc.	-			•	•		•	•	•		•	•			_	•	
Satellite Computing, Inc.	-			-		-	-	•			-	_	•			•	
Satellite Software International(SSI)	-		-		•	•	•	•	3	•	-		•	-	-		片
Saturn Software Inc.	-			-	_			-	•	•	-	-	-	-	-	-	片
Saturn Systems, Inc.	-			-		-	-	-	-	-	-	-		_	-		H
Saunders Software, Inc.																	H

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Savings Management Computer Corporation																	•
Saztec				•	•	•	•	•					•				•
Scheduling Corporation of America		•	•			•	•										•
Schulstad, Myers & Associates Inc	$\top$				•												•
Schultz Instruments Inc.	•	•	•		•												•
Science Applications, Inc.					•			•					•	•			•
Science Dynamics Corporation								•					•		•		•
Science Management Corporation		•	•	•		•							•	•			•
Scientific Computers Inc.		•					•			•	•	•				•	•
Scientific Information Retrieval, Inc.		П	•	•	•	•		•	•				•	•	•		•
Scientific Process & Research	•		•														•
Scientific Software Corporation			•														•
Scientific Systems Services Inc	•		•		•								_				•
Scully Data Systems	•		•									_	L				•
Seafirst Computer Service	•	•	_		L	•	_			_				_			•
Securities Industry Automation Corporation	$\perp$	_				•							_	_			•
Sedalia Computer Services, Inc.	$\perp$	_	•	_		•		•	•	•			_	-	•	•	•
Sedlak, J.P. Associates		$\perp$			_		•	_			_	_	_	_			•
Sedlitz Enterprises, Inc.	•	_	•	╙	_			_		_	_	_		-		•	•
Seis Pros, Inc.	•		•	L	ـ	╙	_	_	_	_		_	_	$\vdash$	-		•
Seiscom Delta, Inc.	•	_	•	_	_		_		<u></u>		L	_	_	1	_		•
Seismic & Digital Concepts Inc	•	_	•	_		_					L.	_	L	_	_		•
Seismic International Research Corp	•		•	_	_			_	L	_	_	_	_	-	_	_	•
Seismic Processors, Inc	•	-	•	_	L		_	_	_	_	_	<u>_</u>		1	L		•
Seismograph Service Corp.	•	1	•	_	_		_	_	_	•	┡	•	<u> </u>	-	_	_	•
Sentry Data Inc	-	-		-	-	-	-	•			_	-		-	-		
Sercon Corporation	1	-		-		•				-	-	-		-	-		•
Serendipity Systems		-	-	⊢	╄	ļ_	_	-	-	•	-	_	-	╄	⊢	•	
Service Card System	_	-	-		-	•	-	-	_	-	-		-	-	-		•
Service Software Inc.		1	-	-		-	-			-	-			+	-		•
Shaes & Co	-	-	-	-	-	-	-		-	-	-	-		+		-	•
Shaker Computer and Management Services	-	-	-	-	•		-		-	-	-		•	-	-		•
Shales & Young Information Systems, Inc	-	-	-	-	•	-	-	•	-	-	+		-	-		-	•
Shared Medical Systems Corporation	-		+-		-	•		-	•	-	-		•	-	-		•
Sharp, I.P. Associates Ltd		-	-	-	+	-	-	+	-		•		-	-	-	•	•
Shasta General Systems	+	+	+	+	-		-	-	$\vdash$	-	-	-	-	+		-	•
Shaw Data Services, Inc. Shaw Systems Associates Inc	+	-		-	-	•	-	+	-	-	+	-	-	+	-	-	•
Snaw Systems Associates Inc						1				_		_					

INDUSTRY MARKETS    Date	CAMIT INDUSTRI INDEX																	
Shawmut Bank of Boston, NA Computer Services Dept. Shear Development Corporation Shriver, R., Associates Shuford Data Services Sigma Research Associates Sigma Soffware, Inc Silton Data Simcon Inc. Silton Data Simcon Inc. Silton Data Simp Soft Inc Simple Soft Inc Simple Soft Inc Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Sistemas Inc. Small Business Data Processing Corporation Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Systems Software Smart, Inc Smith, Ao. Data Systems Division Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soften Microsystems Inc Soft	COMPANY	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES		INSURANCE	MEDICAL & HOSPITAL	EDUCATION	FOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	FOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Shear Development Corporation Shriver, R., Associates Shuford Data Services Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Research Asociates Sigma Research Associ	Shawmut Bank of Boston, NA Computer Services Dept	+-	-	-	Ť.				_		_		-		-		- 0,	-
Shriver, R., Associates Shuford Data Services Sigma Research Associates Sigma Research Associates Sigma Research Associates Sigma Roftware, Inc Silton Data Silton Data Simon Inc. SIMPLAN Systems Inc (SSI) Simple Soft Inc Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Small Business Data Processing Corporation Small Business Information Systems Inc Small Business Machines, Inc. Small Business Machines, Inc. Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Systems Group Small Forcessing Smath, A.O. Data Systems Division Smith, A.O. Data Systems Division Smith, A.O. Data Systems Division Smith, A.O. Data Systems Inc Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc Softlink Software Softech Microsystems Inc Softlink Software Softendinc Corporation Softsel Computer Products, Inc Software Ag of North America, Inc.		+	Ť	۳		-	_		-		=	_	-			_		-
Shuford Data Services Sigma Research Associates Sigma Software, Inc Silton Data Simcon Inc. Silton Data Simcon Inc. Silton Data Simcon Inc. Simp Soft Inc Simple Soft Inc Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Simulation Sciences Sipos, Andrew Sistemas Inc. Small Business Data Processing Corporation Small Business Information Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Small Business Management Systems Inc Smith, A.O. Data Systems Division Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc Softent Microsystems Inc Softent Microsystems Inc Softent Microsystems Inc Softent No. Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent Corporation Softent		-				-	_	-	Н					_	-	_	-	-
Sigma Research Associates Sigma Software, Inc Silton Data  Silton Data Simcon Inc. SIMPLAN Systems Inc (SSI) Simple Soft Ine Simulation Sciences Sipos, Andrew Sistemas Inc. Small Business Data Processing Corporation Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc.			-	-	-	-	-	-			_		-	-		_	-	-
Sigma Software, Inc Silton Data Simon Inc. SIMPLAN Systems Inc (SSI) Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Small Business Data Processing Corporation Small Business Machines, Inc. Small Business Machines, Inc. Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Systems Group Small System Software Smart, Inc Small Frocessing Smith, A.O. Data Systems Division Smith, Danis & Galylord Smith, C.D. Company Smith, A.O. Data Systems Solvision Smith, C.D. Company Smith, G.A., Inc. Smyth Business Systems Systems Solvision Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Sm		-	-	-	-	-			4		_		-	_		-	-	-
Sitton Data Simcon Inc. Simcon Inc. SimpLAN Systems Inc (SSI) Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Sistemas Inc. Small Business Data Processing Corporation Small Business Data Processing Corporation Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Small Business Managagement Systems Inc Smith, O.D. Ompany Smith, Dennis & Gaylord Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc. (SSI) Soft Pro Systems, Inc. Softlink Softool Corporation Softool Corporation Softool Corporation Softsel Computer Products, Inc Software Ag of North America, Inc.		+	$\vdash$	$\vdash$	-	-	-	_		-			$\dashv$	_				_
Simcon Inc.  SIMPLAN Systems Inc (SSI)  Simple Soft Ine  Simulation Sciences  Sipos, Andrew  Sistemas Inc.  Simal Business Data Processing Corporation  Small Business Machines, Inc.  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Systems Group  Small Business Systems Inc  Small Business Systems Inc  Small Business Systems Inc  Small Business Systems Inc  Small Business Systems Inc  Softland Processing  Smith, A.O. Data Systems Division  Smith, C.D. Company  Smith, Danis & Gaylord  Smith, C.D. Company  Smith, Danis & Gaylord  Smith, G.A., Inc.  Systems, Inc. (SSI)  Soft Pro Systems, Inc. (SSI)  Soft Pro Systems, Inc.  Softlink  Softend increasems Inc  Softland Scorporation  Softcol Corporation  Softcol Corporation  Softcol Corporation  Softsel Computer Products, Inc  Software Ag of North America, Inc.		-		+			-	-		-				_		-		_
SIMPLAN Systems Inc (SSI) Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Simal Business Data Processing Corporation Small Business Information Systems Inc Small Business Machines, Inc. Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Systems Group Small System Software Smart, Inc SMITES Group Smith Data Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc (SSI) Soft Pro Systems, Inc SofTech Microsystems Inc SofTech Microsystems Inc SofTech Microsystems Inc Softlink Softmatics Corporation Softool Corporation Softool Corporation Softool Corporation Softool Corporation Software Ag of North America, Inc.		-	_			-						_		_			-	
Simple Soft Inc Simulation Sciences Sipos, Andrew Sistemas Inc. Small Business Information Systems Inc Small Business Information Systems Inc Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business			-	-	-		-		_	_			-	_				-
Simulation Sciences Sipos, Andrew Sistems Inc. Small Business Data Processing Corporation Small Business Machines, Inc. Small Business Machines, Inc. Small Business Mangagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Small Business Maspagement Systems Inc Softland Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc. (SSI) Soft Pro Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems, Inc Softland Systems Systems Systems Social Systems, Inc Softland Systems Systems Systems Systems Social Systems, Inc Softland Systems Systems Systems Systems Systems Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc Softland Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems Systems System		-	-	$\vdash$	-	-		-	-		_				-	_	_	-
Sipos, Andrew Sistems Inc. Sistems Inc. Small Business Data Processing Corporation Small Business Information Systems Inc Small Business Mangagement Systems Inc Small Business Mangagement Systems Inc Small Business Systems Group Small System Software Smart, Inc SMITES Group Smith Data Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, C.D. Company Smith, C.D. Company Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc SofTech Microsystems Inc SofTech Microsystems Inc SofTech Microsystems Inc Softmatic Corporation Software Ag of North America, Inc.		+	-	-		-	-		-	-			-				-	-
Sistemas Inc. Small Business Data Processing Corporation Small Business Information Systems Inc Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Machines, Inc. Small Business Systems Group Small Systems Group Small Systems Software Smart, Inc Small Business Systems Division Smith CDA Data Systems Division Smith CDA Data Systems Division Smith, CDA Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc. Softlink Softrech Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Softend Systems Inc Softlink Softmatics Corporation Softcol Corporation Softcol Corporation Softsed Computer Products, Inc Software Ag of North America, Inc.		+	+-		-		-		-	-	_	-				-		-
Small Business Data Processing Corporation  Small Business Machines, Inc.  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Business Systems Group  Small Systems Group  Small Systems Sortware  Smart, Inc  SMITES Group  Smith Data Processing  Smith A.O. Data Systems Division  Smith, C.D. Company  Smith, C.D. Company  Smith, G.A., Inc.  Smyth Business Systems  Social Systems, Inc. (SSI)  Soft Pro Systems, Inc.  Softend Microsystems Inc  Softend Nicrosystems Inc  Softend Nicrosystems Inc  Softend Corporation  Softsel Computer Products, Inc  Software Ag of North America, Inc.		+	$\vdash$	-	-				-				-		-		-	-
Small Business Machines, Inc.  Small Business Mangagement Systems Inc  Small Business Mangagement Systems Inc  Small Sustems Software  Small System Software  Small System Software  Smart, Inc  SMITES Group  Smith Data Processing  Smith, A.O. Data Systems Division  Smith, C.D. Company  Smith, C.D. Company  Smith, C.D. Company  Smith, G.A., Inc.  Smyth Business Systems  Social Systems, Inc. (SSI)  Soft Pro Systems, Inc. (SSI)  Soft Pro Systems, Inc.  Soften Microsystems Inc  Softech Microsystems Inc  Softech Microsystems Inc  Softech Comparter Products, Inc  Software Ag of North America, Inc.		-					-	-								_		-
Small Business Machines, Inc.  Small Business Management Systems Inc  Small Business Systems Group  Small System Software  Smart, Inc  Smith Coupany  Smith Data Processing  Smith, A.O. Data Systems Division  Smith, C.D. Company  Smith, G.A., Inc.  Smyth Business Systems  Social Systems, Inc. (SSI)  Soft Pro Systems, Inc.  Softlink  Softrech Microsystems Inc  Softrech, Inc.  Softlink  Softmatics Corporation  Softcal Computer Products, Inc  Software Ag of North America, Inc.		+-	+-	-	-	-	-			-	_	_	-	_			-	_
Small Business Mangagement Systems Inc Small Business Systems Group Small Systems Group Small Systems Goroup Smart, Inc Small Data Processing Smith Data Processing Smith A.O. Data Systems Division Smith, C.D. Company Smith, A.O., Inc. Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc. Softend Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Corporation Softool Corporation Softeol Corporation Softsel Computer Products, Inc Software Ag of North America, Inc.		+	-	$\vdash$	-	-	-				-	-	-					-
Small Business Systems Group       Image: Compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the compart of the		+-	$\vdash$	+	-	-	$\vdash$			-				-	-			_
Small System Software Smart, Inc Smart, Inc Smith Data Processing Smith Data Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc. Softend Kircosystems Inc SofTech Microsystems Inc SofTech Microsystems Inc SofTech Microsystems Inc Softendisc Corporation Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software Software S		+-		+-	-	-	-		Ĭ	-		-	-	-	-	-		-
Smart, Inc         MITES Group           Smith Data Processing         Image: Comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparition of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the comparities of the c		+	Ť	+-	-	$\vdash$	-		-	-			-	-		-	_	-
SMITES Group Smith Data Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc SofTech, Inc. SofTech Microsystems Inc SofTech Microsystems Inc SofTech Microsystems Inc SofTech Microsystems Inc SofTech Inc. Softlink Softmatics Corporation Softool Corporation Softool Corporation Softsel Computer Products, Inc Softsel Computer Products, Inc Softsel Computer Products, Inc Software Ag of North America, Inc.		-	-		-			-		-			-	-	-	-		-
Smith Data Processing Smith, A.O. Data Systems Division Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc SofTech Microsystems Inc SofTech, Inc. SofUnik Softendisc Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Systems, Inc Softmatrics Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation Softoal Corporation	SMITES Group			-		-					-	_	$\dashv$	-			_	-
Smith, A.O. Data Systems Division  Smith, C.D. Company  Smith, G.A., Inc.  Smyth Business Systems  Social Systems, Inc. (SSI)  Soft Pro Systems, Inc.  SofTech, Inc.  SofTech Microsystems Inc  SofTech, Inc.  Softlands  Softmatics Corporation  Softcol Corporation  Softsel Computer Products, Inc  SofTech Microsystems  Softsel Computer Products, Inc  SofTech Microsystems  Softsel Computer Products, Inc  Software Ag of North America, Inc.	Smith Data Processing	+-	Ť	-		•	_								Н			_
Smith, C.D. Company Smith, Dennis & Gaylord Smith, G.A., Inc.  Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc.  Soft Pech, Inc. Softech, Inc. Softend Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Microsystems Inc Softend Inc. Softend Microsystems Inc Softend Inc. Softend Corporation Softend Corporation Softend Computer Products, Inc Softend Computer Products, Inc Softend Computer Products, Inc Software Ag of North America, Inc.	Smith, A.O. Data Systems Division	_			-		_	_	-	-	$\rightarrow$	-	-	_	Н	-		_
Smith, Dennis & Gaylord  Smith, G.A., Inc.  Smyth Business Systems  Social Systems, Inc. (SSI)  Soft Pro Systems, Inc.  SofTech, Inc.  SofTech, Inc.  SofTich, Inc.  Softlink  Softmatics Corporation  Softool Corporation  Softsel Computer Products, Inc  SofTect Mirc.  SofText Mirc.  SofText Mirc.  SofTware Ag of North America, Inc.		1	-		-		Ť		$\dashv$	$\dashv$	_			-		-		<u> </u>
Smith, G.A., Inc. Smyth Business Systems Social Systems, Inc. (SSI) Soft Pro Systems, Inc SofTech Microsystems Inc SofTech, Inc. Softlink Softmatics Corporation Softool Corporation Softsel Computer Products, Inc Software Ag of North America, Inc.				-	$\vdash$	-	-			-	-	-	-					_
Smyth Business Systems         Social Systems, Inc. (SSI)         Soft Pro Systems, Inc         Soft Pro Systems, Inc         SofTech, Inc.         SofTech, Inc.         Softlink         Softunatics Corporation         Softsel Computer Products, Inc         Softsel Computer Products, Inc         Software Ag of North America, Inc.	Smith, G.A., Inc.	-	-	$\vdash$		•	•	Ť	_	-		$\neg$		-				_
Social Systems, Inc. (SSI)  Soft Pro Systems, Inc  SofTech Microsystems Inc  SofTech, Inc.  SofUnds Softmatics Corporation  Softool Corporation  Softool Corporation  Softsed Computer Products, Inc  SofTed Microsystems Inc  Software Ag of North America, Inc.	Smyth Business Systems	+	-				_	$\vdash$	-		-		-			-	Ŭ	
Soft Pro Systems, Inc SofTech, Inc. SofTech, Inc. Softlink Softmatics Corporation Softool Corporation Softsel Computer Products, Inc Software Ag of North America, Inc.				•		•	•				-	-	$\dashv$			-		<u> </u>
SofTech Microsystems Inc         Image: Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison of the Comparison o	Soft Pro Systems, Inc			-		_	Ť		_	-	-	$\dashv$	-	Ť	-	-	Н	
SofTech, Inc.  Softlink  Softwaries Corporation  Softool Corporation  Softsel Computer Products, Inc  SofTruMARE '70  Software Ag of North America, Inc.		-				•			-									
Softlink Softmatics Corporation Softsel Computer Products, Inc SOFTWARE '70 Software Ag of North America, Inc.	SofTech, Inc.	-					•								•			_
Softmatics Corporation Softool Corporation Softool Corporation Softsel Computer Products, Inc SOFTWARE '70 Software Ag of North America, Inc.	Softlink								-				-			-		
Softsel Computer Products, Inc  SOFTWARE '70  Software Ag of North America, Inc.	Softmatics Corporation					-					-							-
Softsel Computer Products, Inc  SOFTWARE '70  Software Ag of North America, Inc.					•	•	•	•	•	•	_			•			•	_
SOFTWARE '70 Software Ag of North America, Inc.												•				-		
C.C. A.d. t. CDI							•											
Software Authority, The		•			•	•	•	•		•	•			•				•
	Software Authority, The	•			•		•	•	•	•	•			•			•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT		OTHER
Software Clearing House, The				•	•	•	•	•	•	•			•			•	
Software Connections, Inc		L							•							•	•
Software Consulting Services										L						•	
Software Design Associates, Inc.		•	•		•	•	•	•	•					•	•		•
Software Development and Maintenance, Inc.	•			•	•	•	•		•	•			•			•	•
Software Dynamics	•	•											L				•
Software House				•	•		•	•	•				•	•	•		•
Software Info Services Inc						•	•			•		•	•				•
Software International Corp.	•	L		•	•	•	•	•	•	•			_		•		
Software Management Systems		•	•						_	_	•	•					•
Software Module Marketing	•	_		•	•	•	•	•	•	•	_	_		_		•	•
Software Plus, Inc		L		•	•	•	•	•	•	•	L	L	•		_	•	•
Software Publishing Corporation		•	•	•	•	•	•	•	•	•	_		•	1	ļ	•	•
Software Pursuits, Inc.	•		L	•	•	•	•	•	•	•	_	Ļ	•	-	_	•	•
Software Research Corp.		•	_	_	•	•	•	•	_	_	•	•	-	-	_		•
Software Resources			•	┡	•	•		•	•	•	•	•	•	•	•	•	-
Software Shoppe, The	•	-	_	-	-	_		_	_	•	-	-	-	-	-	•	•
Software Solutions Inc.	_	-	Ļ	_	_	L	_	_	_	-	⊢	-	⊢	-	•	_	•
Software Solutions, Inc.	+	$\vdash$	•	-	-	_	-		-	-	-	-		-	•	•	•
Software Store Ltd.	+-	╄	-	-	-	-	-	_	-	-	-	$\vdash$	•		•	_	•
Software Systems Associates		1	_	-	⊢	-	-			-	$\vdash$	⊬	•		$\vdash$		•
Software Systems Inc	+-	Ł	Ļ	_	-		•	•	•	•					•	•	•
Software Works Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	•
Softworks, Inc.	•	•	•	-	•	•	•	•	•	•	-	-	-	-	-	•	•
Solar Data Services Ltd.	-	+	-	-	-			•	-	۳	╁	-	-	+	$\vdash$	•	•
Solid Software Inc	-	╄	╀	$\vdash$			-	-	$\vdash$	$\vdash$		$\vdash$	$\vdash$	+	$\vdash$	-	•
Sophisticated Data Research, Inc.		+-	+		-	•	•	•			_				$\vdash$	•	•
Sorcim Corporation SOTA Computer Systems		-	+	•	-	•	•	•	•	•	-	-		+		•	•
SOTA Computer Systems Source Data Systems, Inc.				-	-	•	-	•	-	+	+	-	1	+		-	•
Source Data Systems, Inc.		_	1	-	-	-	-	-		-				+			•
Source Telecomputing Corp.	+	1		-	1	-	1			1	1	1		1			•
South Hills Computer Center Inc.	+																•
Southern Computer Systems, Inc.		1				Ť						Ť		1		•	•
Southwest Modular Systems, Inc.										1							•
Southwestern Computer Services																•	
Southwestern Computing Service		_															
Space Age Computation Systems		)												Т			•
			_	_	_	_	_	_	_	_	$\overline{}$	_	_	_	_	_	_

CAMIP INDUSTRY INDEX																	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	FOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Space Age Computers Inc.	1			Ì				•		_							•
SPAN Management Systems								-	-				•		•		•
Specialized Computer Services Inc.		•	-	-	$\vdash$			ŭ	-		Н		ŭ		ř	•	•
Specialized Computer Services Inc.	+-	-	-		-				-	•	-	•	-				•
Specialty Automated Services				-	-		•		-	•	•	•				5	•
Specialty Automated Services Specialty Computer Services Inc.	•	-	-	-	-	-		•			H	-	•		•	Ħ	•
Spectra Medical Systems, Inc.	-	+-	-		-			•	-	_	-	-	-	_	-	H	•
Spectra Medical Systems, Inc. Spectron Corporation			•		•	•	•	•	•	•	Н	_	•	_		•	•
Spectrum International Inc.	_	-	-	•	-	•		•	_	H	-	-	•	_		H	•
				•	•	-	H	_			H		-	_	•	_	-
Spickler Bookkeeping and Accounting Service	•	•	•	•			H	•	_		뎾	•	_	_			•
Spiridellis & Associates, Inc. Sports Data Inc.	-	-	-	•	•	•	_	_			9	_	_	_	-	_	
	+	-	-		-	-			•	_	•	_		_	-	Н	•
Spring Rock Consultants, Inc	+	-	├-	•	-	_							_	_	<u> </u>	_	_
St. Joseph Bank & Trust Company-Trust Software Div.	+	-	-	-	-	•								_	<u> </u>	_	•
St. Joseph Systems	+-	-	-		_	•					_					•	•
Standard & Poor's Compustat Services Inc.	•	-	-		_	•		_	•				_				•
Standard Systems, Inc.	+-	⊢	-	-	-	-		•					_	_	_	_	•
Star Computer Systems Inc	+-	⊢	-	-	_	_				_		_	_	_	_	•	•
Star Inc	-	⊢	-	-		L				•		•	_	_	_	•	•
Star Value Software	+-	-	-	-	_	•		_		_			_	_	_	_	•
State of the Art Inc	•	L	_	•	•	•	•	•	•	•			•	_	_	_	•
Statement Service Company		•	_	•	-	_	•	•	•		•	•	_	_	_	•	•
Statistical Financial Systems	-	Ļ.		-	_								•		_	L	•
Statistical Tabulating Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
Stephens-Nelson Computer Center	•	╄	L	•	•	•	•	•	•	•			•			•	•
Sterling Systems	-	_	•	_	_	_	•						•	•	•		•
Stockholder Systems Inc.		-	Ļ	•	•	•	•				_	_	_	L	_	_	•
Stonehenge Computer Systems, Inc.	•	•	•		•	•	•	•		•	•	•	•	•			•
Stoner Associates, Inc.	1	-			•									_		•	•
Stoneware, Inc			-	•	•	•	•	•	•	•			•			•	•
Strata Search Processing Co., Inc			•			_											•
Strategic Information	•	-	-		_	•				•			•				•
Strategic Office Systems	-							•								•	•
Structural Members Users Group		-	-						•				•	•			•
Structural Programming Inc.	1		-		_										_		•
Structured Methods, Inc.		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•
Structured Systems Group, Inc.		•	•			•	•			•		•				•	•
Sullins & Associates		•	•			•		•									•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Summagraphics Corporation																•	•
Sun Country Financial Corporation				-		•									П		•
Sun Information Services Company	$\neg$	•	•		•	•	•			•			•				•
Sunbelt Computer Services																•	•
Superior Data Processing Service	•	•	•			•	•	•	•	•	•	•	•		•	•	•
Superset Inc.	•	•	•	•	•	•	•	•	•			•					•
Survey Tabulation Services Inc.	•	•			•					•	•						•
Swiss Colony Data Center, Inc.			•							•	•						•
Sycom			Г					•									•
Syncsort Inc.				•	•	•	•	•	•	•			•				•
Synectics Corporation				•	•	•			•				•	•	•		•
Synercom Technology, Inc.	•		•		•								•	•	•	•	•
Synergetics Corporation		•	•	•		•			_			_	•	•			•
Syntel		L	L		L	_		_		L	_	_					•
Sysco Inc.	•	•	_		_		_	_	•	_		_	_	_		•	•
Syscom, Inc.	_	_	•	•	_	L	_	•	_	•		_		_	_	•	•
SYSCON Corporation	_	_	_		•	L	Ļ	<u> </u>	_	_	L	L.		•	•		•
Systar Corporation	•	•	•	•		•	•	•	•	•	•	•	-	_		•	•
Systech Inc.	•	•	-	_	1	_	-	•	_	•	_	•	•	_		-	•
System Automation Corporation	•	-	-	⊢	-	⊢	•	•	•		$\vdash$	-	-	•	•	-	•
System Communication Corp	•	-	⊢	╄-	-	┡	-	⊢	-	•	-	-					•
System Development Corporation		⊬	-	-	•	-	•	-	$\vdash$	-	-	$\vdash$	-	۳	-		•
System Science & Software (S3)	•	⊢	+			•		•			$\vdash$	-	-	-	-		•
System Support Software, Inc.	•	-		-		•	-	-	-	•	$\vdash$	-	-	-	$\vdash$	-	•
System-Kontakt, Inc.	•	•	•	+	-		-	-	-		-	-	-	-	+	-	-
Systematics, Inc.		•	-			•	•		•		-	-	-	+-	+		•
Systemation, Inc.		-	-		-	1	•	•	•	•	-	-	-	-	-	•	•
Systemhouse Ltd.	-		+		-	-	-	-	-	•	+	-	-	+	-	•	•
Systems & Consulting Services Inc.		+-	-	-			-	-	-	-	-	-	-	+		+	•
Systems & Software, Inc. Systems and Applied Sciences Corporation (SASC)	-	-	-		+-	-			-	-							
Systems and Applied Sciences Corporation (SASC)  Systems and Computer Technology Corporation	-	-	+	-	-	1	-	-			1		•	-	4	1	
Systems and Computer Technology Corporation  Systems and Programming International Inc.		-	1	+				-	+				۲	+	Ť		
Systems and Programming Resources Inc.	-		-		_		-			•				1			
Systems and Programming Resources Inc.		+		-		-	+	-		Ť	1	$\vdash$	Ť	1	É		
Systems Architects Inc.	-			_						•				1		$\top$	
Systems Associates Inc.			+	+	+	Ť	1		1					$\top$			
Systems Control Group	_	-					-	1				1	1				

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Systems Coordination Inc					•												•
Systems Data Inc.			•	•	•	•	•	•	•	•			•			•	•
Systems Data Processing Corporation	+	_		-				•			•			-	•	•	•
Systems Design & Development Corporation	+-		-			•		-			•	-					•
Systems Designs						-	-			•	-					•	•
Systems Engineering Computer Co.						•										•	•
Systems Integration, Inc.	+		-		-	•			•	•	•	•	•	•			•
Systems Integrators, Inc	_						-										
Systems Management Corporation																	
Systems Management Inc.		-	-			-		•	-	•	•	•			•		
Systems Network Inc	Ť			-			Ť			_		Ť	_			•	0
Systems Northwest, Inc.				•		•		•	•	•	•	•	•		•		
Systems Plus Inc			•		Ė			•			-					•	
Systems Research Incorporated				•		•		•	•	•	•		•		•		•
Systems Research Laboratories												_		•			•
Systems Software International Inc. (SSI)																	
Systems Specialists, The	+																•
Systems Strategies, Inc.					•	•				•	•	•	•	•			•
Systems Technology	_							•								•	•
Systems Technology Automated Resources Inc								_									•
Systonetics, Inc.				•					•				•	•	•	•	•
Systran Commercial Corp	$\top$									•						•	•
Systronics Inc.	$\top$		_		•					•	•	•				•	•
Sytech Corporation			•														•
TCP Data Processing Services					•	•				•						•	•
TCS Software Inc						•										•	•
TKS Corporation	$\top$						•										•
TLS Company							•									•	•
TMI Systems Corporation						•											•
TRW Information Services						•				•	•						•
TSC									•								•
Tabershaw Occupational Medicine Association	•			•	•	•	•	•	•	•			•			•	•
Tabs Inc.																•	•
Tabulating Services Bureau, Inc.	•	•	•										•		•		•
Tag Inc.			•														•
Tailored Data, Inc								•		•	•	•				•	•
Talisman Security Systems, Inc				•													•
TASCO			•						•	•	•		•	•		•	

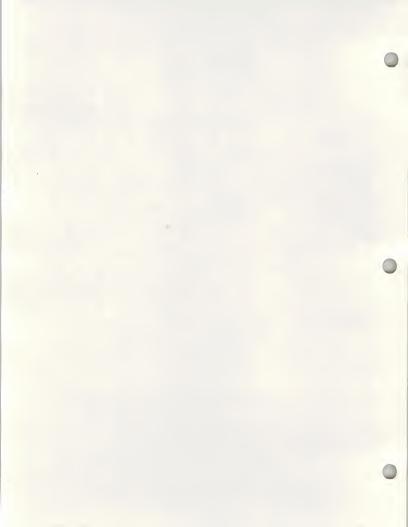
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
TechDyn Systems Corp													•	•		ı	
Technalysis Corporation								•		•			•			•	•
TechnAssociates, Inc.	$\top$												•	•	•		•
Technical Advisors Inc.	•			•									•	•	•		•
Technical Analysis Corporation (TAC)	•	•	•	•		•	•	•		•	•	•	•	•	•	•	•
Technical Support Associates Inc.										•		•					•
Technical Systems Consultants Inc. (TSC)	•			•	•	•	•	•	•	•			•			•	•
Technicon Data Systems Corporation		L				•											•
Technology Development of California	$\perp$														•		•
Tekkon Computer Services	•	•		•	•	•	•	•	•	•			•				•
Teknekron Financial Systems						•	•				_						•
Tel-A-Data Inc.	_	_	_	_			_			•	_	•	_				•
Teldata Systems Corporation	•	_	_		•		•	•			_	_			Ш	•	•
Tele-Equip	+-	╙		L	L	L	<u> </u>		_	_	_	Ļ	L	_			•
Telecomputing Corporation of America	•	-	-	_	•	•	_		•	•	•	•	•	•	•	_	•
Telecredit, Inc.	-	-				•	•	•	-	•		-				•	
Teledyne Exploration Company Telemar Group, Inc.	•	$\vdash$	•		⊢		_		-			-	-	-	-	•	•
Telephone Computing Service, Inc.	+	$\vdash$	$\vdash$	-	-	•				⊢	-	-	-	-	-	Ц	•
Telerate Systems Inc.	+	$\vdash$	-	-	$\vdash$	•	•	H	-	-							•
Telesoft	+	+-	$\vdash$	-	$\vdash$	-	•	-		•	•	•	-	-			•
Telic Services Corporation	+-	$\vdash$	$\vdash$	$\vdash$	-	-	$\vdash$		⊢	•	•	•	╁			Н	
Telos Computing, Inc.		$\vdash$	╁				•	•			$\vdash$				-	-	•
Telstat Systems, Inc.	+	+-	$\vdash$	-	-	•	Ť	-	۰	۳		-	۳	-	-	Н	•
Temple, Barker & Sloane, Inc (TBS)			•		•	•		•		-	1			•	•		•
TERA Corporation	-	۲	-	-	•	-		_	-	-	$\vdash$		•	Ť	Ť	•	•
Terminal Applications Group	+-	+-	$\vdash$	$\vdash$	Ť	+-	$\vdash$		•		-		-			_	•
Terrano & Associates, Inc	+-	-			-	-		•	Ť	+		Ť					•
Tesseract Corporation		1				•	•										•
Thermeon Corporation	1		1		1											•	•
Theta Business Systems																•	•
Theta Computer Systems							•	•				•		•			•
Thomas National Group, Inc., The				•		•	•	•		•						•	•
Thomas, Laguban & Associates		•	•							•	•	•					•
Three PM Inc. (3 PM)		•				•		•					•		•		•
TICKETMASTER Corporation																	•
Ticketron, Inc.									•						•		•
Tidelands Data Systems	•			•			•	•		•	•	•				•	1

INDUSTRY MARKETS	URING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING			CIE		LAL		NC	NO	WHOLESALE DISTRIBUTION	TY	4ENT	& LOCAL GOVERNMENT		
	TOTAL MANUFACTURING	MANUE/	MANUFA	RTATION		BANKING & FINANCE	CE	MEDICAL & HOSPITAL	N	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	LE DISTE	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	OCAL GO		
COMPANY NAME	OTAL MA	DISCRETE	ROCESS	TRANSPORTATION	UTILITIES	ANKING	INSURANCE	TEDICAL	EDUCATION	OTAL DIS	ETAIL DI	VHOLESA	OTAL GO	EDERAL	STATE & I	SERVICES	OTHER
TIM-Formation, Inc.	-	•	-	-	=	-		-		<u> </u>	•	•	L	II.		0/2	_
	•	•	_	•	-		•		•	•	_	•	•		•		•
Timberline Systems Time Sharing Resources Inc.								Н						-		•	•
Time-Sharing Systems Inc.	-	•	-	•	•	•		Н		•	•		•				
Timeshare Associates	-	•	•	_	-	•							_				0
Tiny Systems Inc.	-		-	-	-						•	•				•	-
TOMINY, Inc.		-	-	•	-		•	•		•	ч	•				•	•
Tone Software Corporation	-	-	-	•		•		H	•	•		-		-		•	-
Tose, International	-	•		•	•		H	H	_	H	•	•			•		•
Total Environmental Systems Computer Division	-	_	-	•	-		-	Н	_	3	_	_	-	_	_	-	•
Touchette Corporation	+		-	_			-	-		_	•	•			•	H	•
Tower Systems, Inc.		_		•		•	•	•	•	•					_	-	-
Trac Line Computer Corp		•		_	-	-			_		•	•	_		-		
Trail Blazer Systems Inc.	+-	-	-		$\vdash$				-	_		_				-	
Transcomm Data Systems, Inc.	+-			_	-	•				_			_				•
Transportation Concepts and Services	+					-	-			-		_	-			-	
Transportation Management Services	+			•	$\vdash$				-	-			-			-	•
TransUnion Corporation	+	$\vdash$		•	-	•	•	•	-	•	•	•	-		Н		•
TRES Computer Systems, Inc.				-		•	_	-			_	_				Н	•
Tri-Star Data Systems	+-	-	_	-	Ť	_			-	•	-	•			-		•
Triad Systems Corporation	+	-	-		_	-				•	•	•	-				•
Triangle Software Company			-			•	•	•	•	•		_			-		•
Trinco, Inc.	•		•	Ŭ	_	•	Ĕ	6					•	•	•	-	•
Triplex Computer Services, Inc.	+	-	-	-		_		-	-	-			_			•	•
TronCorp		-	-			•	•	•	•	•	-	-	•	Н	-	Ħ	•
Tru-Check Computer Systems	+-	-			_		-	_		•	•	-	_			-	•
Trusco Data Systems	$\vdash$	$\vdash$	$\vdash$		-	•						-	_		-		•
Tudor Systems	+				-						-	•					
Turnkey Distribution Systems, Inc	$\vdash$		-			П				•		Ť		Н			
Turnkey Information Processing Inc	$\vdash$											_				•	
Turnkey Interactive Management Systems	1															•	•
Tylus Systems Inc.													•				•
Tymshare, Inc.		•	•	•	•	•	•	•		•	•		•	•	•	•	•
U.S. Trust Co. of New York Computer Services Division						•											•
USS Engineers and Consultants, Inc.		•	•	•	•					•		•					•
Ulrich, Walter E. Consulting	•	•		•		•		•	•				•			•	•
Ultradata Corporation						•											•
Unbounded Computing								•	•							•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
UNI-COLL Corporation	•			•	•	•	•	•	•	•			•				•
Unicorn Systems Company				•									•	•		•	•
Union Data Corporation	•	•					•	•	•	•	•		•		•		•
Unique Automation Products	•			•	•		•	•	•	•	•	•	•	•	•	•	•
United Computer Service, Inc.					•	•				_							•
United Software Corporation	•	•		•					•				•	•			•
United States Computers Inc.						•	•			L			L.	_		•	•
United Telecom Computer Group		•	•	•	•	•	•						_	•	•	•	•
Univair Inc.		L		_			•	•					_			•	•
Universal Data Inc.		<u> </u>	•	•	_	•	•		•			•	_			•	•
Universal Data Systems Inc.	•		•	•	_				_	•		_	_				•
Universal Information Systems Inc.		1_		•	•	•	•	•	_	•		_	•	_		•	
Universal Software Inc.		L		_	L	•	•	•	•	_	_	_	•	-		_	
Universal Software Studios	_	1	L	•	L	<u> </u>	_	Ļ	•	•	•	•	_	-	_		
University Computing Company		•	•	ـ	•	•	_	_	-	•	-		•	-	-	•	
University Software Systems	_	_	-	-	<u> </u>	_	-	-		-			_	$\vdash$		$\vdash$	8
Urban Data Processing		_	Ļ	Ļ	•	•	•	_			•	-				_	6
Urban Decision Systems Inc.	•	+	•	•	•	•	•	•	•	•	•	-		-		_	-
Users, Inc.	-	+-	-		•	•	•	•	•		•	•	-		•	-	
Utica Computer Services, Inc. (UCS)	•	-	$\vdash$	•	-	•	•	•	•	•	•	-	•	-	•	-	H
Utility Computing Services, Inc.	-	-	-		•		•	•			$\vdash$	$\vdash$	•	-	-		
VM Software, Inc	•	-	╀	-	•	-	•	•	-	•	+	-	•	-	-		•
VSE Corporation Valid Logic Systems Inc.		-	+	۳	-	•	-	۳	-	-	+-	$\vdash$	-	$\vdash$	+-	-	-
Value Computing, Inc.			+				•	+-			$\vdash$	$\vdash$		$\vdash$	+	-	•
Vanguard Computer Systems, Inc.		_	+-	۳	۳	-	۳	-	۳				-		-	$\vdash$	•
Vantage Computer Systems, Inc.	-	_	+	+	+	+	•	$\vdash$		۳	۲	۳	-	+	$\vdash$	+-	•
Vantage Computer Systems, Inc. VenturCom Inc.		_		+	+	+	-	•		-	-	+		-	-	•	•
Vertex Systems Inc.		+	+		-		-	+	+		+	1	-		1		•
Vicker's Associates Inc.	-	-	+	۲	-	•		1	1	1	-		1	1	1	Ť	•
Victorex Inc.		+				1	1	1		1	T	1	$\top$			•	•
Vidmar, Stanley			1	1	$\top$	T	1				T				•		•
Vining-Sparks Securities, Inc	- 1	1	$\top$	1	+				T	$\top$	1						•
Virtual Systems, Inc.						1							•				•
VisiCorp		1						•					•			•	•
Vista Computer, Inc.				)			I						•		•		•
Vital Computer Services International, Inc.	•	)	$\Box$														•
Volt Delta Resources Inc.				•													•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Wachovia Services Inc.									•								•
Wakefield Software Systems Inc. (WSSI)																	•
Walker Interactive Products					•	•	•		•				•				•
Walsh, Richard M., Associates Inc.	•	•		•				•	•			•	•				•
Warner-Eddison Associates, Inc.	•	•		•	•	•	•		•	•	•		•	•		•	•
Warrington Associates Inc.						•											•
Waters Business Systems, Inc.		•	•														•
Watts Computer Services Inc										•						•	•
Wayne Computer Center Inc.	•			•	•	•	•	•	•	•			•			•	•
Weidenhammer Systems Corp.	•	•	•			•			•	•		•	•			•	•
Weidner Communications	•	•														•	•
Wells Fargo & Company						•											•
West Florida Data Processing					•	•				•						•	•
Western Business Computers Inc										•		•					•
Western Data Corporation	•			•	•	•	•	•	•	•						•	•
Western Geophysical Company of America			•														•
Western Information Systems	•	•				•						•	•		•		
Western Union Corporation	•			•	•	•	•	•	•	•			•			•	•
Westinghouse Advanced Systems Technology					•								•				•
Westinghouse Information Services		•						•	•					•	•		•
Westinghouse Learning Corp.									•								•
Westinghouse Strategic Operations Division					•												•
WESTLAW Division															П		•
Whalen Computer Services, Inc.																	•
Whelan Associates, Inc								•									•
White, Bob, Computing and Software Inc.						•											•
White, Glenn L. Company																	•
White, Robert F. and Company	•			•	•	•	•			•							•
Whiteside Associates, Inc.	•					•											•
Whitesmiths, Ltd.	•			•	•	•		•	•				•			•	•
Whittaker Medicus						•											•
Wild Hare Computer Systems Inc	•						•										•
Williams & Associates		•	•								•	•				•	•
Williams Automated Management Services, Inc																•	•
Wilson Micro Systems																•	•
Wincl Corporation, The	•			•					•								•
Wisconsin Physicians Service							•						•	•			•
Wismer Associates, Inc.	•	•	•	•	•												•

INDUSTRY MARKETS  COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHED
Woodward, Ryan, Sharp and Davis	•			•	•	•	•	•	•	•			•			•	•
Worlco Data Systems	•					•	•		-	•		_	•				
World Research Systems Ltd.		•	•	•	•	•				•	•	•	•	•			
World Wide Computer Services					•	•	•						•				
Worldwide Chain Store Systems										•	•	•					
Worth, Auger & Associates	•			•		•	•	•	•	•			•			•	•
Worthen Bank & Trust Co. Computer Services Division						•											•
Wright, Louis A. & Associates				Г						•	•	•					•
Wyle Data Services										•		•					•
K-Act Computer Service Inc.	•	•	•							•	•						•
XXCAL						•	•			•							•
Xener Corporation		•															•
Xenex Computer Systems, Inc.					Г	•											•
Xerox Computer Services		•							•			•			•		•
Xybion Corporation			Г			Г								•			•
Xybion Medical Systems Corporation	T							•									•
Yipkon Business Systems, Inc.						•	•		•		_		•	_		•	1
Zeiler-Pennock										_		_				•	1
Zero-N Systems Inc.		•						•						L	_		1
			L	L		L	_			L			_	L			L
					L			_	L	_	L			_	L	_	L
				<u> </u>	1	┖	_	L	_		_		╙	╙	L	_	L
	$\perp$	_		┖	_	_	_	_	$\perp$	_			_	ـ	_	_	L
	$\perp$	_	1	┖	1_		╙	_	1	_	_	_	┡	ـــــــــــــــــــــــــــــــــــــــ	╙	-	L
	$\perp$	_	_	1	_	_	-	↓_	ļ.,	_	_	┕	1	<b>⊢</b>	1	-	ļ
	$\perp$	_	1	L	$\perp$	1	-	┡	_	┡	<u> </u>		├_	-	_	<u> </u>	H
	$\perp$	1	1	╄-	$\perp$	$\perp$	-	-	⊢	-	┡	-	-	$\vdash$	-	⊢	+
	4_	1	1	$\vdash$	+-	-	<u> </u>	$\vdash$	-	-	-	-	$\vdash$	+-	$\vdash$	-	+
	-	-	-	-	-	+	-	-	-	-		-	$\vdash$		-		+
	+	-	1	-	+	+	-	-	+	-	-		-	+	+	-	+
	+	-	-	+	+	+-	+	+	+	-	-	-	-	+	+	+	+
	+	+	+	+	+	+	+	+-	-	-	-		-	+	-	-	+
	+	+	+	+	+-	+	+	-	-	-	+	-	+	+	+	-	+
	+	+	+-	+	+	+-	+-	+	+	+	-	-	-	+	+-	-	+
	+	+	+	+	+	+	+	+-	+	+	+	+-	+	+-	+	-	+
		1							1	1	1			-		-	1



GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
A Supplementary DP Service, Inc.	•		*							_	П			_
A.M.S. Consulting Limited	+-	$\vdash$	-		_	Н						*		a
A-Kwick Key Punch Inc.		-		*	-									
AAA Technology and Specialties Company								*			•			
ABC Computers, Inc.				-						*	•		•	•
Abt Associates Inc		*	H	_							•	_		Т
Abt Information Services	•	*							-		Ė			Г
Abt Microcomputer Software		*		$\vdash$	-					-				Т
ACSC		-	$\vdash$	*	-					-				r
AGS Computers Inc.		-	*		$\vdash$				-		•	Н		Н
AIS Corporation - Medical Management Systems			*	-						-	-	$\vdash$		
AMS Information Inc.	Ť	Ť	1	-	$\vdash$			$\vdash$	-		-	*		H
APL Systems	1	$\vdash$		-	-	$\vdash$		_	*	-	•		•	1
AR Mediquest	-			*	•		•			•	•		-	H
ARC Automation Group Inc.							•	*			•			0
ASA, Inc.		*	-	-	-	-	Ť	-	Ť	Ť	Ť	ř	-	F
ASCC, Inc.		Ĥ	+	-		-	-			*	-	-	-	H
ATAC ATAC		$\vdash$	+	-			-		-	<u> </u>	-	-	-	H
ATM/Network Management Corp		$\vdash$	+	-		Ť	-			-	-			
AV Products, Inc.		*	+	$\vdash$	-	$\vdash$	-		+-		$\vdash$	-		H
AVP Systems		+^	$\vdash$	-	-	-		-	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	H
AW Consultants, Inc.	•	-	*	-	-	$\vdash$	-		+	-		-	•	H
Abacus Programming Corporation	•	-	Ĥ	+-	-	$\vdash$	-	-	$\vdash$	*	Ť	-	Ť	H
Academic Financial Services Association		$\vdash$	+	$\vdash$	-	-	-	-	$\vdash$	•	-	$\vdash$	-	H
Access International, Inc.		*	+	-		$\vdash$		-	$\vdash$	-		$\vdash$	$\vdash$	1
Accountant's Microsystems, Inc.	-	Ļ	-	$\vdash$	$\vdash$	-		-	-				-	1
Accountants Computer Network, Inc.	-			*	-		-			-	-	+	-	۲
Accounter Systems, Inc.	-	-	+	-		-		-	-				-	+
Accounting Corporation of America			1		-	-		*	-					+
Accounting Corporation of America  Accounting Data Service		1	*	-		-		+^	-	-	Ť	-	-	t
Accounting Data Service Accounting Systems Corporation		*	1	1										t
AccTex Information Systems		+^									Ť	1		+
Accurate Data Services Inc.				*						-				t
AccuSystems	-		*	_										t
Accutab Data Processing Inc.	•	+	1	*							-			+
ACES Software		1		1		+	-	*		1				t
ACES SOLWARD	-	-	*	-	-	1	-	+ "	-		-	1	1	t

<sup>★ =</sup> Headquarters

## **CAMP GEOGRAPHIC INDEX**

GEOGRAPHIC MARKETS			0	FRAL	TRAL		RAL	TRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CEN	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Adelie Corporation	•	•			_			-		-	H	┢	H	╁
Administrative Information System, Inc.		-			_	*		_	-	$\vdash$		⊢	-	+
Admins, Inc.	•	*			_	ê	$\vdash$		$\vdash$		-	⊢		+-
ADPAC Corporation	-	Ĥ	-	$\vdash$	-	-		_		*	⊢	├	-	+
Advance Business Services	+			*	-			-		<u> </u>	-	-		
Advance Data								*			-	-		
Advanced Applications Inc.		-	$\vdash$				$\vdash$	<u> </u>	$\vdash$	*	-	$\vdash$		+-
Advanced Computer Techniques Corp.	•	_	*							Ĥ		•		-
Advanced Computer Management Corp.	•	$\vdash$	-	Н			Н	-	-		-	-	-	$\vdash$
Advanced Cybernetic Inc.	•		*		-		Н	-	_		-	-	$\vdash$	+
Advanced Data Group	Ť	-	^		-	-		-		-	-	$\vdash$		$\vdash$
Advanced Data Management	•		*		-		$\dashv$	-	_	-	•	•		+
Advanced Data Processing Inc.	•			$\vdash$	-	-		*			Ť	ř	-	-
Advanced Data Systems Inc.				Н	-			_	-	•	-	⊢	-	$\vdash$
Advanced Digital Data, Inc.		•	*		-	•			_	-	-	-	-	-
Advanced Legal Software		Ė				-		-		•	•	•	-	$\vdash$
Advanced Management Technologies								*	-	_		•	_	
Advanced Medical Systems	•		*		•	•		~		•	Ť	Ť		-
Advanced Software Products		•				*				Ť		-		_
Advanced Systems Applications					*	-	-		-		•	•	_	
Advanced Systems, Inc.	•	•	•	*	•		•	•	•	•	•	•	•	
Adventures in Computing, Inc.	•		-		-	-	-	-	-		•	•	•	•
Advertising Distributors of America	•		*					$\dashv$	-	-	Ť	Ť	-	-
ADVO Systems Inc.	•	*				-	-	-	$\neg$		$\vdash$		-	$\vdash$
Adwest Corporation	•			*	•		-		-			-	-	-
Affiliated Computer Systems	•						_	*			Н		_	-
Ag-Data Inc.	•						_	-	$\dashv$	*		-	_	-
AGAPE Enterprises	•			$\dashv$				*	-	-		-	-	-
Agro Systems Corporation	•			•			•	*			-			-
AIMS Management Systems	•			*									-	
Aims Plus, Inc.	•	•	•		•		+	•		•	•	•		
AKRA Data Corporation	•					7	*							
Allied Data	•						1	•	•	•				
Allied Financial Services, Inc.	•					*	$\neg$							_
Allied Information Systems Company	•	*				$\neg$								
Allinson-Ross Corporation		•	•	•		_				-	•			
Alltrans International Group Inc.		-	_	_					- 1	- 1	• 1	*	•	

<sup>★ =</sup> Headquarters

					<		4	4						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	Omittee
Alpha Beta Data Services, Inc.			•			-	-		$\vdash$	•		-		r
Alpha Data Services Inc.	•		-						•	*	Н	$\vdash$		H
Alpha Systems, Inc.	•	*										-		H
Alpine Data Systems	•			-						*		-		-
Amcom Data Processing, Inc.	•									â				H
Amcor Computer Corporation	•		•	•			*							H
American Agency Data Systems	•		_	-	-	*	_			$\vdash$		$\vdash$		H
American Automated	•	Н				^	*	-			-	$\vdash$		ŀ
American Computer Center Inc.	•	Н		-	-	*	<u> </u>			Н	Н	-	-	ŀ
American Computer Services, Inc.	•	Н	•	*	•	Ĥ			•	-	Н	$\vdash$	-	H
American Computing Systems Company	•	_	*	_	-	-	-		-		Н	-		ŀ
American Data Services, Inc.		Н	^		-		-			*	Н	┝	_	ŀ
American Dynamic Systems & Services	•	-			-			Н	$\vdash$	â	-	-	_	ŀ
American Franklin Company Corporation	•	Н	•	*	-	•		-	$\vdash$	Ť		$\vdash$	_	H
American Information	•		Ť	*	-	-	-	$\vdash$				-	_	ŀ
American Keypunch & Systems	•	*		_			-			Н	Н	Н		ŀ
American Management Systems	•		•	•	•	*	•	•	•	•	•	$\vdash$	_	ŀ
American Microcomputer Systems and Services, Inc.	•	Ť		_	-	_	Ť	H		H	_	-		ŀ
American Software Corporation	•	Н		-			-	-		ä	•	•	•	H
American Software, Inc.	•	-				*	_	Н	$\vdash$	Ť		•	•	H
American Valuation Consultants Inc.	-			*	-	~	-	Н	$\vdash$	Н	-	۳	•	H
Amheritan Variation Consultants Inc.		*		_ =				Н	$\vdash$	-	-	-		H
Ampersand Corporation	•	^								-	-	-	_	H
Amtab Data	•		*		-			-		-	-	-		H
Anacomp Computer Management, Inc.	•	•	•	*	•	•	•	•	$\vdash$		-	⊢	-	H
Anacomp, Inc.	•	•	•	*	•		•	H	•		•	$\vdash$		ŀ
Analex Computing, Inc.			_	*	_	_	•	Н			•	-	-	H
Analogics, Inc.		Н		*		-	_			*	-	-		H
Analysis and Programming Corporation	-	•	*	•				•	$\vdash$	×		$\vdash$	_	H
Analysis and Technology, Inc	-	*	*	-	-	-	_		$\vdash$	Н		$\vdash$	_	H
Analysts International Corporation	•	*			*								-	1
Analytics Inc.	-	-	*		*							-	-	1
Anstat Business Services	•	-	*		-			-						+
Antech	•	-				*						-	_	+
Anthem Systems Corporation	-	-	-			π.		•	•	•				+
Apple Computer	-							-	_		•	-	-	1
Application Development System Inc.	-	-								-	-			+

<sup>★ =</sup> Headquarters

GEOGRAPH MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Applications Data Enterprises		╀	-	-		_			L			L	_	L
Applications Programming Co.	•	╀	+	_	-	<u> </u>	-		•	*	L	_	_	L
Applications Programming Co. Applications Software Inc.	•	-	*		_	_				_	•			1
Applications Software Inc. Applicon Inc.		-	-	-	_				_	•	•			1
Applied Business Systems, Inc.	•			-		-	-			_	•	-		L
Applied Business Systems, Inc. Applied Business Systems, Inc.	•	-		-	_	-	*					_		L
Applied Business Systems, Inc. Applied Business Technologies Inc.	•	-	+	*										L
Applied Communications Inc.	•	┼-	*	-		_	_		_			_		L
Applied Computer Services Inc.	•	╄	-	_	*	_	_		_		•		•	L
Applied Computer Systems	•	-	-	*	_	_	_					_		L
Applied Computing Devices	•	┼	⊢		_	_			_	*	•			L
Applied Data Research, Inc.		-	١.	_	_	<u> </u>			_		•	*	L.	L
Applied Data Research, Inc. Applied Data Systems, Inc.	•	•	*		_	_			_		•	_	Ш.	L
Applied Design Company Inc.	•	⊢	ļ.,	_	-	_			*		•			L
Applied Digital Data Systems, Inc.	•	⊢	*	•	L		•		_			_		
Applied Dynamics Inc.		╀	*	_	_									L
Applied Financial Systems	•	-	-	_		_	*							
Applied Financial Technology Inc. (AFTECH)		┼	Ļ	<u>_</u>		•		•	•	•				_
Applied Information Development (AID), Inc.		-	•	*	_		•	_						
Applied Information Management Inc.	•	•	•	*	•	_		•	•	•				
Applied Information Systems, Inc. (AIS)	•	Ļ	•	*		•								_
Applied Management Systems Inc.	•	•	_	-		*				•	•		•	
Applied Systems Associates		Ļ	-			*				•	_			
Applied Systems Corporation	•	•	*	•	•	•	•	•	•		•			_
Arbat Systems, Ltd.		-	<u>_</u>	*		_				_				
Arbitron	•	-	*		_				_	_	•	•		•
Arcola Software	-	•	•	•	•	•	•	•	•	•			_	
Area Computer Services, Inc.	-	-		*	_	-	_	-	_	_			_	
Aregon Group Ltd	-	-			_	*	_	_	$\dashv$	_		_	_	_
Argonaut Information Systems Inc.	-	-	•			-	-	-	_	•	-	_	_	_
Argos	-	-	-		•			_	_	•		_	_	
Aries Information Systems, Inc.	-	-	-			-	-				_			
Arinco Computer Systems Inc.		-			*	-	_	_	_	-				
Arkansas Systems Inc.	-	-			-		-	-	*		•		•	
Arkay Computer Inc.	-	*		•	_			*	-	•	•	•		_
Arthur Andersen & Co.	-	*	9			•				•	•	•	•	
Arthur Young & Co.	-	•	*	*	•	•	•	•	•	•	•	•	•	•

<sup>★ =</sup> Headquarters

GEOGRAPHI MARKETS	с			. 1	Г			Г						
WARREIS		LAND	TLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	LANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	Z		LT			
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NOR	WEST NO	SOUTH ATLANTIC	EAST SOU	WEST SOU	MOUNTAIN	PACIFIC	TOTAL INT'I	CANADA	EUROPE	OTUED
Artificial Intelligence Corporation	•	*	•			•								Г
Artronic Information Systems Inc.	•	Г	*											Г
Asist				*							•	•		Г
ASK Computer Systems, Inc.	•									•	•	•	•	Г
Aspen Computer Services	•								*					
Asset Data Systems Inc.				*										Г
Associated Computer Consultants										•	•	•	•	ŀ
Associated Credit Services				•	•	•		*						Г
Associated Press	•		*								•			Γ
Astradyne Computer Industries, Inc.			*											Γ
Atlanta Data Processing Service						*								Γ
Atlantic Data Services Inc.		*												Γ
Auditek Inc.	•		*									-		
Autex Division		*	•	•						•				r
Auto Tell Services, Inc.		•	*		•									r
Auto-trol Technology Corporation	•								*		•	•	•	T
Automated Business Services, Inc.	•					*								Γ
Automated Business Systems Inc.			*							Т	•			T
Automated Concepts, Inc.			*	•	_									r
Automated Data Associates Inc.		•	*											r
Automated Financial Systems Inc.		1	*											r
Automated Medical Associates, Inc.		$\vdash$	*	_	_						$\vdash$			r
Automated Quill Inc.			$\vdash$						*		-			t
Automated Resource Management Inc.		Н		*	_							$\vdash$		t
Automated Resources Group Inc.		$\vdash$	*	$\vdash$								$\vdash$		r
Automated Science Group, Inc.		Т	$\vdash$			*			$\vdash$		•			r
Automated Systems Design Corporation			*				_							t
Automated Systems Consultants		$\vdash$	$\vdash$		*	•		_		$\vdash$		$\vdash$		t
Automated Systems, Inc.		$\vdash$		*										t
Automatic Business Centers Inc.			*											T
Automatic Data Processing Inc. Inc.			*	•	•	•	•	•	•		•	•	•	t
Automation Consultants International										*				f
Automation Consultants	•									*	•	•		T
Automation Inc.					*									T
Automation Management Services, Inc. (AMS)				*										T
AutoScript, Inc.		*	•			•				•				T
Autumn Software						*								T

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS		UND	LANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	ANTIC	H CENTRAL	WEST SOUTH CENTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORT	WEST NORT	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUT	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Auxton Computer Enterprises	•	$\vdash$	•			*				Н		-		H
Avar and Associates	•	•		•	*	•	•	•	•	•	•	-	-	H
Avco Computer Services	•	•	•	7	•	•	•	-	-		•	$\vdash$	•	⊢
Aviation Information Services Inc.					÷		-	-	*	Н	•	•	•	•
Axios Group		-						_			•	•		
Axxess Information Systems, Inc.	•		*								-	Ť		-
Aya Associates Inc. (AAI)			*								•	-	Н	•
Ayers-Whitmore	•		*							-				Ť
Azrex Inc		*					_				•	•	•	
Aztec Data Processing Inc.	•		*								Ť	Ť	-	Ť
Aztech Corporation	•		•			*					_	-		-
B.K. Dynamics	•					*				$\neg$	•			-
BBN Computer Corporation	•	*									$\neg$			-
BDM International, Inc.	•					*								_
BGS Systems	•	*	•	•	•	•	•	•	•	•	•			
BM Systems	•						*				•	•	•	_
BMS Computer Inc.	•										•	•	•	•
BPI Systems, Inc.	•	•	•	•	•	•	•	*	•	•	•	•	•	•
BRS Computing Inc.	•		*								•	•		
BSA Company, Inc.	•	•	•	•	•	•	•	*	•	•				
BST Consultants, Inc.	•	•	•	•	•	*	•	•	•	•				Т
BST Data Systems Company	•					*								
Babcock & Wilcox Company Computer Services	•					*					•	•	•	•
Bakco Data Inc.	•	•	•	*	•	•	•	•	•	•	•	•		_
Bakken & Schaefer							$\neg$	$\neg$	*					_
Baldwin-Deco Service Center	•	•	•	•	•	•	•	•	*	•				_
Bancology								*	•					
Bancroft Computer Systems	•										•			
Bank of New Orleans and Trust Company	•						•	*						
Barkett Computer Services, Inc.	•					*					•		•	
Barrister Information Systems Corp	•		*											
BayBanks Data Services, Inc.	•	*												
Beck, Thomas Inc.	•									•	•			•
Beneficial Computer Services Inc Bergen Brunswig Data Services Co.	•				_					*	$\Box$			
									•	•	Т	ıΤ	ΞT	
Berkshire Bank and Trust Co. Automated Customers Service		*	-	-	-	-		$\rightarrow$	_	_				_

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS			IC	TRAL	NTRAL	(3)	TRAL	NTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Bernhard, Arnold & Co., Inc.		$\vdash$	*			•			-		H	Н		t
BETAC Corporation						*							•	t
Bibliographic Retrieval Services Inc.		T				Г					•		•	T
Black, David R & Associates, Inc		$\top$			$\vdash$							•	•	T
Blackhawk Data Corporation		T		*										T
Blank, Joseph R., and Associates Inc.				*							•	•		T
Boeing Computer Services Company			*	•	•	•	•	•	•	•	•	•	•	Γ
Boise Cascade Computing									*					T
Bolt Beranek and Newman, Inc.		*		Т						•				T
Bonner & Moore Computing Co.								*				Г		T
Boole & Babbage, Inc.			•		•				•	•	•	Г		Ť
Booz Allen & Hamilton Inc.		1	*											Ť
Boston Financial Data Services		*												Τ
Boston Systems Office (The), Inc.		*			П	П						•		
Bowne Information Systems, Inc.		•	*			•		•		•				
Bradford National Corporation	•	П	*											
Brandon Consulting Group, Inc.	•		*								•	•		1
Brault, Strauchman Associates	•													1
Breen Systems Management Inc. (BSM)	•	*		L										1
Bridge Data Co.	•				*		L							1
Bristol Information Systems Inc.		*												1
Brokerage Software Systems Inc	•	Г	*											
Brokerage Transaction Services Inc.	•		*		•		•	•	•	•		L		1
Brown Computer Center	•		*									L		
Brown's Data Processing Service Center		-		*		L		_				_		1
Bryce, M. and Associates Inc.	•	_		*								•	•	1
Budco Data Systems	•	-		_			L.	┖	_	*		_		1
Budget Computer Systems				•	•	•	•			*				1
Budget Timeshare Inc	•	-		┺	$\perp$	L	_	_	1	•	•		•	4
Burlington Data Processing Inc.		_		$\perp$	_		_			_	1	_	L	1
Burnett, Ed, Consultants Inc.	•	-	*					_			1	_	-	1
Burroughs Corporation	•	_		*	-	-		_	-			-	-	4
Bush, Lloyd and Associates		_		-	-		-			-	•		1	4
Bush, Oren & Associates		_	-	-	-	-	-	-	-	*	1	1	-	+
Business and Professional Software, Inc.		-	-	-		-	-						•	-
Business Application Systems, Inc. (BAS)			1			*								4

 $<sup>\</sup>star = Headquarters$ 

GEOGRAI MARKE COMPANY NAME	PHIC TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Business Computer Design	•	-	$\vdash$	•	•		Н	_			•	Н	_	-
Business Computer Service Inc.	•	$\vdash$	-		-	*		-			_	-		-
Business Computer Systems Corp.	•		*			-			-		-	-		-
Business Controls Corporation		-	*						-					-
Business Data Services, Inc.			Ť.	*					-				-	-
Business Information Systems Inc.				*		•								
Business Programmer Services, Inc.		-				Ť		-		*				-
Business Service Corporation		$\vdash$	-		-			*	Н		-			-
Business Services		$\vdash$	-					_		*			-	-
Business Systems Inc.			-	*	-			_		^		-	-	_
Business Systems Research Inc.		*	$\vdash$					-	-	-	-			_
Bytek		ļ^	$\vdash$				$\vdash$			•	•	•	•	•
C.A.C.I., Inc.		_			-	*	-	-		H	H	-		_
CB Associates		$\vdash$		-		_		-		*	-			
CCH Computax Inc.	•							-		•	•	•		_
CCS								*			H	-	-	
CDS Systems, Inc.					-					•	-		-	_
CFS Inc.		*		-				-		Ť	•	•	•	•
CGA Computer Associates Inc.			•	•	•		-	•		•	•	_	-	Ť
CGG Data Processing Service Inc				-				-	*	Ť	Ö	-		-
CIC Data Corp.			*		_	-	-			-	Ť		-	-
CL Systems Inc.		*							_		•		-	_
CMC Associates Inc		*								-	Ť			_
CMC Software	•							_		$\neg$	•	•	-	_
CPAids				*				-	-		•	-	•	-
CPS - Medical Billing Systems										•	-	_	Ť	_
CPS Inc.	•				*				_	Ť	$\dashv$		-	_
CPU International, Inc.	•									•	•			-
CR Inc (Compensation Resources)														
CRC Information Systems Inc.		*						-					-	Ť
CRI	•									•				-
CS Computer Systems Inc.	•		*								•	•	•	•
CSW, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CTEC Inc.	•	•	•	•	•	*	•	•	•	•	•		•	÷
CTS Services Inc	•							*					-	_
CUC Insurance Services		*												-
C3 Inc.						*								

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				RAL	FRAL		RAL	TRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENT	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Cable Data	•	_								•	П			
Cableshare Limited		$\vdash$								_	•	*	•	г
Cado Systems of MD, Inc.			_			*								
Cahill and Company				*				-						Г
Cal-Western Econometrics										*				Г
Calculogic Corporation			*											Г
Calculon Corporation		$\vdash$	*											Г
California Minicomputer Systems Inc.			-											Г
California Software Products			-					-	_	*	•		•	Г
Call Computer														Г
Calma Company					_					•	•			Г
Calspan Corporation Advanced Technology Center			*											Г
Camac, Inc.									*					Г
Cambar Business Systems Inc					•	*	•	•	•	•				Г
Cambridge Computer Associates, Inc.		*												Г
Cambridge Systems Group, The		Т		Г							•	•	•	(
Canada Systems Group										•	•	•		Г
Canadian M.S.P. Software Products											•	*		Г
Candle Corporation										•				Г
CAP-CPP Inc.			*											
Capcom Systems, Inc.														Г
Capex									*		•			Г
CARDS Inc.		$\vdash$	*											Г
Cardware Inc.		Т				*								Г
Care Computer Systems						Г				*				Г
Career Systems			*						Τ		Г			Г
Career Systems Inc.						*			Г					Г
Carleton Corporation		*										•		1
Carolina Business Computers Inc.						*								T
Cash Management Systems, Inc.				*										Γ
Catallatics, Inc.				*										Γ
Catalyst USA Inc				*										I
Cbord Group Inc. (The)			*								•	•		T
Centennial Computer Services Inc.						*								T
Center for Cobol Software, Inc.						*					•	•		1
Central Computing Company				*										Γ
Central Credit		1					1	1						Ť

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Central Systems Incorporated	•	-			_	_		*	_		-	-		-
Central Trust Company, The Computer Services Department	1	⊢	$\vdash$	*			-	^				⊢		-
Century Analysis Inc.	-	$\vdash$	-	Ĥ	_	-			-	*		-	-	-
Chama Corporation	•									*		-		-
Champion Service Corporation	1	$\vdash$	-	*	_		-		-	^		$\vdash$	-	$\vdash$
Chang Laboratories Inc.		-	-	Ĥ			-		-	•	•	-	$\vdash$	Н
Chase Econometrics/ Interactive Data Corporation	•	-	$\vdash$	Н	-	_		-			•	-	$\vdash$	Н
Chase-TCMS	•	$\vdash$			-			-		•	-	-		
Cheltonian Inc				Н	-			-	_	_	•	-	*	
ChemShare Corp	•		_		-	-	$\vdash$	*		-	_	-	*	-
Chilton Corp	•	•	•		_	-	-	*	_		Н			$\vdash$
CHIPS, Inc.	-	_	_		-		-	*	*	-	-	_		-
Chubb & Son, Inc.		•	*		•	•	•	•		•		_	_	
Church Data Associates (CDA)		_		*	-	_	-	-	-	-			-	-
Cincom Systems Inc.				*		-	-	-	_	-		_		
Circle Software Corporation				*	$\dashv$	-	-	-		-	-	•	•	•
Citicorp Remote Computer Service - PG Data Center			-	*	-		-	-		_	-	_		
Citidata, Inc.		_	_	*		-	-	-	-	•	-			_
Citishare Corp.	Н	-	*	$\dashv$	-	-		-	_	•	-	_	_	_
Citizens & Southern National Bank, Computer Services Div.			~	-	-	*	-	$\dashv$		$\dashv$		_	-	
Citizens Automated Systems		-	_	*	$\dashv$	*	-	-	-				-	_
Citizens Financial Corporation	Н		•	*	-	•	-	-	$\dashv$		•		-	•
Citizens National Bank Computer Services Division	-		-	-	-	•	-	-	_			_	_	_
Claritas		-	-	*	-	_	$\rightarrow$	-		-		-	-	_
Clay Bernard Systems International (CBSI)			-	-	-	*	-		$\dashv$		-	_		_
Clayton Associates			-	$\dashv$	-	-	-	*	-	-	_			_
Coap Planning Company		-	*	-	-	-	$\dashv$	-	$\dashv$	*	•	_	•	
Coast Mailing Corporation		$\dashv$	×	$\dashv$	-	-	-	-	-	*	-	-	$\dashv$	_
Collier-Jackson & Associates, Inc.	Н		-	-	-	-	-	$\dashv$	-	*	_	_	-	_
Columbia Computing Services, Ltd.	13	-	-	-	-	-	-	-	-		•			
Comarco, Inc.			-	-	-	-	+	-	_	•	•	*	_	_
Comcheg Services Ltd	-	-		-	-	-	+	-	-	•		_	-	
Comdata Network, Inc.	•	-		-	-	-	*	-	-	-		*	-	_
Comm-Pro Associates		-	-	-	-	-	_	$\rightarrow$	-	•				_
Command Control & Communications Corporation		-	-	-	-	-	_	+	-	믦	•	•	•	
Commerce General Corp.		-	-	+	-	-	*		-	-	$\dashv$		-	_
Commercial Bank & Trust Co., Computer Services Div.	Н	•	•	•	•	•	*	+		-	_	_	-	_

<sup>★ =</sup> Headquarters

## **CAMP GEOGRAPHIC INDEX**

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Commercial Computer Services, Inc.	•			*	_		-			-	•	•	•	
Commercial Computer Services, Inc.	-	$\vdash$	-	-		$\vdash$	-	*	$\vdash$	-	•	-	4	-
Commercial Resources	+	$\vdash$	$\vdash$	*	_		-	^	-		⊢	$\vdash$		-
Commercial Software Inc.	•	*	-	^	-	-	-		$\vdash$	-	-	Н		-
Commonwealth Bank & Trust Co. Computer Services Division	•	^	*		-	-		-		-	-	$\vdash$	_	
Communication Software Aids	•	*	^	$\vdash$				-		H	-	-		
Communications Computer Services Inc	-	<u> </u>		Н	-	-		*		-	$\vdash$	-		
Communications Concepts	-	-	*		_	-		^	-		-	H		Н
Community Computer Corporation		-	*		_	-			-		-			_
Comp Act Data Systems Inc.	•	•			_	-	-		-	*	-	Н		
Comp Info Inc.	•	•	*		_	-	-		-	*	-	Н		
Comp-Tron Inc.	-	-	-	-	_	*	-		_	-	-		-	Н
Comp-U-Staff Inc	•	-	-			•	-			-	⊢	$\vdash$		
Compal, Inc.	•	-	-		_	•	-		_	•	•	$\vdash$	_	
Compass Data Services	-	•	*	•	•	•	•		•		-		-	_
Compata, Inc.	-	_	×		_	•	-	•	•	*	-	-		-
Compeda Inc.		•	*	•	•	•	•	•	•	•		-		-
Complete Computer Systems	•	-	*	-		-	-		-		-	-		
Comptek Research Inc.	•	•	*	•		•	$\vdash$	-	_	Н	-	-		
Compu-Center Company Inc.	•	Ť	Ŷ			-			•	*	$\vdash$	-		
Compu-Link Corporation	-			*				-	-	^	⊢	-	-	Н
Compu-Share, Inc	-	$\vdash$		^	-	-		-	-		$\vdash$	H		
Compu-Systems Corporation	+	Н		-		*					•	•		
Compu/Think	•	$\vdash$		-	-	Ĥ				*	•	-		-
Compumatic Business Services	-	-		*	_	-		$\vdash$	-	_	-	H		
Compumax Associates Inc.	•			^	-	-	-		-	•	•	•	•	•
CompuServe Incorporated	-			*		-	-		-		-	-		-
CompuShop	•					•	-	•		-	*			
Computab Inc.	•			-	-		-	-		*	-	-		
Computation Planning, Inc.	-	-	-		-	*		•	-	^		-		
Computech Financial Systems, Inc.	•					*	-	-		-		$\vdash$		
Computek Computing Corporation	•					Ĥ		*	-			-		
Computer Accounting Systems Inc.					_			-		*		-		
Computer Application Systems Inc.	•	•	•	•	•	*	•		•	•	•	•	•	•
Computer Applied Systems Inc.	•						-	Ť	1		Ť	Ť	-	
Computer Assistance International Inc.	•	*										-	-	
Computer Associates International, Inc.,	•	*	*	•		•				•	•	•	•	

COMPANY NAME	MARKETS	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Computer Associates Inc.		•	-		*	-		H				H	H	$\vdash$	H
Computer Associates Inc.		6	$\vdash$	-	^		$\vdash$	-	-	*	•	Н	-	$\vdash$	-
Computer Bugs (The)		ŏ	-		-		*			_	_	•	•		
Computer Center		•	*		-		1						-	-	-
Computer Center Inc.		•	-					*				$\vdash$	-	-	
Computer Center Inc. of Miami		•				*				$\vdash$	-	Н	_	-	H
Computer Company (The)		•	Н	$\vdash$		-	*			-			-		H
Computer Composition International		•	•	•	•	•	•	•	•	•	•	H	_		H
Computer Concepts & Services Inc.		•	Ė	÷	-	Ė	-		_	ř	Ť				Н
Computer Consoles, Inc.		•		*	$\vdash$							•	•		-
Computer Consultants, Ltd.		•		_		*							Ť		Н
Computer Corporation of America, Inc.		•	*		-							Н			-
Computer Covenant Corporation		•	*												-
Computer Curriculum Corporation		•	•	•	•	•	•	•	•	•	•	•			Н
Computer Data Access Inc. (CDA)		•		*								•			Т
Computer Data Processing Inc.		•							*						_
Computer Data Services		•	*												_
Computer Data Services Inc.		•			*										_
Computer Data Systems, Inc.		•		*	•		•				•				
Computer Delight		•			•				•	•	*				
Computer Designed Systems Inc.						*									
Computer Dynamics Inc.		•													
Computer Dynamics Inc.		•					*								
Computer Generation Inc.		•					*								
Computer Horizons Corp.		•		*	•		•		•	•	•				
Computer House		•				*									
Computer Innovations		•			*			$\neg$							
Computer Input Corporation		•									•	•	•		•
Computer Input Services, Inc		•		*			•								
Computer Laboratory Inc., The		•			*										
Computer Language Research		•							*						
Computer Management Corporation		•					*								
Computer Management Services	1700)	•									•	•	•		
Computer Network Corporation (COMN) Computer Output Microfilm	EI)	•	•	•		*	*								
					*			_ T			T				
Computer Packages Inc.		•	$\rightarrow$	_		$\rightarrow$	*	$\rightarrow$	_		$\rightarrow$	•	_	-	

<sup>★ =</sup> Headquarters

GEOGRAPHIC					. 1			,						
COMPANY NAME	FOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	FOTAL INT'L	CANADA	EUROPE	Ornep
	ľ.										_	Ĺ		Ĺ
Computer Power Inc.	•					*								L
Computer Prepared Accounts, Inc.	•	_								*		_		L
Computer Processing Company	•			*										-
Computer Professionals Inc.			•			*				•	•	•	•	L
Computer Research Inc.	•													-
Computer Research Inc.									*					-
Computer Resources	•	╙	_				_		*	$\vdash$	_	_		L
Computer Resources	•	_	_							*		_		L
Computer Resources Corporation	•	L				_	_		•	•	_	_		L
Computer Resources of America	•							*						L
Computer Results	•	L		*		•				_		_		L
Computer Sciences Corporation	•										•		•	L
Computer Security Corporation	•		*								•	_		L
Computer Service & Management Consultants Inc.	$\perp$									*				L
Computer Service Consultants Inc.	•	*									L			L
Computer Service Corporation		L	L	*				L			•	•		L
Computer Service Inc.	•			*							L			L
Computer Services Associates	•									•				
Computer Services Corporation	•						*							L
Computer Services, Inc.	•						*							
Computer Sharing Corporation	•				*									
Computer Sharing Inc.	•						•	*						
Computer Sharing Services Inc.	•	•	•	•	•	•	•	•	*	•				
Computer Software Development Company	•	L								•				
Computer Software Services Inc. (CSSI)	•					•	*	•						
Computer Solutions	•		*											
Computer Synergy, Inc.	•									•				Ĺ
Computer System Architects, Inc.		*	•	•							•			Ĺ
Computer Systems International Inc.	•					*								
Computer Systems Development, Inc.	•									•			_	
Computer Systems Company Inc.	•			*		_								1
Computer Systems Engineering	•	*												1
Computer Systems Group, Inc	•	*												1
Computer Task Group Inc.	•		*								_			1
Computer Techniques	•	*	*			_		_			L		_	1
Computer Usage Corporation	•									•				L
Computer Workshop of Kansas City, Inc.	•	L	L	•	*						L	L		1

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				T	Į,		را	1						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Computer-Time Corporation	•	$\vdash$						Н	*				_	_
Computerecords Inc.				Н		*							-	_
Computeristics, Inc.	•	*									•	•	•	
Computerized Management Decisions, Inc.	•			*							•	•		
Computerm Corporation		$\vdash$							•	•	_		-	-
Computerpower Corp	•													
Computers for Marketing Corp.										•				•
Computersearch Corporation			*								Ť			-
Computervision Corporation		*									•	•	•	•
Computerwise, Inc.				•	*		$\neg$		-	-	Ť	Ť		-
Computing Productivity, Inc		*								$\exists$	•	•	-	-
Computone Systems Inc.	•					*	$\exists$				•	•	•	•
Computoservice Inc.	•			*	$\neg$							-	-	Ť
Computrol, Inc.	•				*						$\neg$		_	_
Computron Technologi Company Inc.	•		*											-
Computronic Systems Inc.			*							$\neg$				_
Compuware Corporation	•			*		•		$\neg$		•	•	•	•	
Comserv Corporation	•							_			•	•	•	•
Comshare, Inc.	•						_				•		-	_
Comtech Group International Ltd.	•								_	$\neg$	•	*	-	-
Comtrol Corporation	•					-		*	_		-	-	$\dashv$	-
Comtrol Inc.	•	*					_			$\dashv$	$\dashv$	$\dashv$	-	-
Comtype Inc.							*		-	_		7	-	-
Comvestrix Corporation	•			$\top$			7	$\forall$	+	_	-	_	-+	-
Concap Computing Systems, Inc.	•			$\top$			_	•	$\dashv$	•	•	•	+	-
Concept Systems, Inc.	•	•	*	•	•	•	•	•	•	•	•	•	•	•
Concord Computing Corporation	•					_		_	7		-	-	-	Ť
Condata, Inc.	•		*	$\neg$	$\neg$	$\dashv$	$\dashv$	$\rightarrow$	$\dashv$	-	$\dashv$	+	+	-
Condor Computer Corp.	•			*							•	•	•	_
Condor Corporation, The							*				-	1	1	-
Configuration Data Services Inc.	•									*			+	-
Congruent Systems, Inc.	•					1		$\top$	_	•	1			-
Consco Enterprises Inc.	•		*			1		1	1	1	•	•	1	-
Consolidated Business Systems, Inc.	•				*		1	1	1	1			+	-
Consolidated Computer Corp	•		*				1	1	1	1	1	1		-
Construction Computer Control Corporation	•			*		1	1	1	1	1	+	-	+	-
Construction Industry Computer				$\top$	+	+	+	+	+	+	•	*	+	-

<sup>\* =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	•	-				-	_			•	•	•		•
Construction Information Systems	•		*	-	_	_	-		-	•	H	•	-	P
Construction Management Systems Construction Systems Software, Inc	-	-	×		-			*		-		-		+
Construction Systems Software, Inc  Consultants for Information Resource Management Inc.	<del>-</del>	-		*	-	-		*	-	-		-		•
	•		-	×	-	-				-	-		-	1
Consultec ConTel Information Systems, Inc	•	-	-				-				•			+
	-	-	⊢	-	⊢	-	-	-		•	•	•	•	+
Context Management Systems	-	⊢	⊬	-	-			-	-	-	-	•	-	+
Continental Computer Services, Inc.	-	-		-	-		-	-	├-	•	•	-		H
Continental Data Processing, Inc.		-	*					•	$\vdash$		-	⊢	-	╀
Continental Information Systems	•	•	•	•	*	•	•	•	-	•	-	├		╀
Continental Medical Systems	-	$\vdash$	-	-	*	-		-	-	-	•	•		1
Continuum Co., The		-	-	-	-	-	-		-	•	•	•	•	۲
Contract Services Associates	•	Ļ	-	_	<u>.</u>	-	_	-	-	•	_	-		+
Control Data Corporation		•	•	•	*	•	•	•	•	-	•	•	-	ľ
Control Systems, Inc.	•	-	$\vdash$	-	*	-	-	-	-	•	•	•	⊢	1
Controls for Industry Inc.	•	_	_	*	_	_	_	-	-	-	<u> </u>	├-	-	+
Convey Companies, Inc.	•	<u> </u>	-	*	_	_	-	-	-	_	┡	┡	-	$\perp$
Cooper Data Systems Inc.	•	┡	-	1	_	_	•	*	_	_	⊢	┡	-	$\perp$
Cooperative Computing Inc.	•	ļ_	•	-	L.	_	_	*		•	_	L	-	1
Coopers and Lybrand	•	╙	*	╄	-	-	-	-	-		_		_	+
Cornell Computer Corp.	•	•	*		_	•		_	<u> </u>	_	╙	_		1
Cornwell, Robert Associates		╙	*		_		_		_		L	_	<u> </u>	1
Corporate Data Systems		_	╙			•		L.		_		_	╙	1
Corporate Management Inc.	•	L	_		_	L				•		_	_	1
Corporate Systems	•						_				•		_	Ŀ
Corporate-TECH Planning, Inc	•	*	•	•	•	•	•	•	•	•	•	L	_	1
Corroon & Black Actuarial Services, Inc.	•	L	*	┖	<u></u>	_		_	_	_	_	1		1
Corstar Business Computing Company, Inc.	•	_	*									_		1
Cortex Corporation		*										_	-	1
Corvus Systems Inc.	•	•	•		•	*	•	•	•	•		_		1
Cost Savings Data Systems Inc.	•				*									1
Coverdale Associates, Inc.		*						-	_			-	_	1
Cox Data Services				-		*	-		-	1		_		1
Creative Output	•	-	-	•	•	•	•	•	•	•	_		1	1
												1		
Creative Systems Group Credit Bureau Inc. of Georgia	-	+-	+-	+-	+-	*	-	-	+-	+	-	1		+

<sup>★ =</sup> Headquarters

COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Ctrac Computer Services	•			*						Н	•	•	•	
CULLINET SOFTWARE Inc.		*	•	•	•	•	•	•	•	•	•	•	•	•
Cunadata Corporation		•	•	*	•	•	•	•	•	•		Ť	Ť	Ť
Curtis-Wright Computer Service			*											
Custom Computer Services					*				•					-
Custom Computer Services, Inc.										•	Н			
Custom Computing Systems, Inc.											•	*		
Cutler Williams Inc.	•										-			
Cyberned Corporation		*												Ė
CYBERNET		•	•	•	*	•	•	7	•	•	•	•	•	•
Cybernetics and Systems Inc.	•					*	•						Ť	Ē
Cybernetics Inc.	•									*	•	•	•	
Cybernetics System International Corp	•					*					•		•	
Cybershare Ltd	 •										•	*		
Cybertek Computer Products, Inc.	 •									•	•			_
Cybertronics Inc.	•				*									Г
Cyborg Systems, Inc.				*							•	•	•	
Cycare Systems, Inc.	•				*						•			
D.E.S. Inc.	•			*				П						Т
D.T.S.S., Inc.	•	*	•	•		•			•	•	•	•	•	
D-NET	•			*										
DBA Systems, Inc.	•					*								
DBMS, Inc.	•			*							•	•		
DDP Systems, Inc.	•		*											
DNA Systems, Inc.				*										
DPS Inc.	 •							$\neg$	*					
DPX Inc.	•									•	•		•	•
DSI-Data Spectrum Inc.		*												П
DSI, Inc.	•								*					
DST, Inc.	 •									$\neg$				
DYX Corporation	 •							*						
Da-Tronics, Inc.	•			*										
Dabco Computer Services	•									*				
Dagar Enterprises	•	*												
Dakin5 Corporation Dalgety, Inc.	•								*					
Dalgety, Inc. DASD Corporation	•									•				

<sup>★ =</sup> Headquarters

GEOGRAP MARKET				SAL	RAL		RAL	RAL						
COMPANY NAME	TOTALLES	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Data Architects Systems Inc.	•	*	+											_
Data Base Logic Inc.						*								
Data Base Management, Inc.		*												Г
Data Basics Corp.			*								•		•	
Data Belt Corporation			*											
Data Capital				•	•	•	•	•	•	•	•			Г
Data Communications Corporation							*				•	•		Г
Data Companies (The), Inc.								*						Γ
Data Computer Center Inc.								*						Г
Data Concepts		*	-											Г
Data Consultants Inc.			*	•	•	•	•	•	•	•				Г
Data Consulting Associates Inc.		*												Г
Data Corp of Virginia, Inc.						*								Г
Data Courier, Inc.	•	•	•	•	•	•	*	•	•	•	•			
Data Design Associates, Inc.				•		•	•		•	*				
Data Development Inc.			*											L
Data Directions, Inc.	•									•				L
Data Factory, Inc.	•		*							•				
Data Financial Systems Inc.		$\perp$			•				*	•	•	•		
Data Flow Inc.						*								
Data General Corporation	•										•			L
Data Inc.	•					*	•							
Data Index Incorporated	•							*			•		•	L
Data Information Science Center										*	L			L
Data Law Company	•								*		L			L
Data Line Service Company									•	•				L
Data Management Inc.						*				L	L	_	L	
Data Management Inc.	•				*									L
Data Prep Corporation	•	_				*						_		1
Data Probe Inc.	•		*											1
Data Processing & Accounting Services	•									•				1
Data Processing Business Systems	•			*						•	•			1
Data Processing Center Inc.	•	_						*			_			1
Data Processing Consultants	•	_							*		1			1
Data Processing Design, Inc.	•									•			•	1
Data Processing Enterprises										*		1		1
Data Processing of the South Inc.					1	*								1

 $<sup>\</sup>star = Headquarters$ 

COMPANY NAME	GEOGRAPHIC MARKETS	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHED
Data Processing Security, Inc.		•	•	•	•	•	•	•	*	•	•	•	$\vdash$	•	+
Data Processing Services			Ė	*	-		-	Ť	-	-	-	Ť	-	Ť	t
Data Processing Services Inc.					*						-				-
Data Processing Services Inc.			•	•	•	•	*	•	•	•	•				-
Data Processing Services of Findlay				•	*	_		•	Ē	-	-	$\vdash$	$\vdash$	-	-
Data Processors Inc.						•		Ė		*		_		-	H
Data Resources, Inc.			*				_			-	-	•	•	•	•
Data Science Corporation			$\vdash$			*						Ť	Ť	Ť	Ť
Data Services Corporation				_	*						$\vdash$		$\vdash$	-	-
Data Structures, Inc.			-	*							-		-	-	-
Data Systems Analysts, Inc.			Н	*			-					•	$\vdash$	•	•
Data Systems Consultants			-	*		-			_	-	_	Ť	$\vdash$	Ť	F
Data Systems Corporation							*				-	_	Н	_	
Data Systems for Industry											•	_	$\vdash$	$\vdash$	-
Data Systems of Arizona		•								*	Ť				-
Data Systems of Baton Rouge									*				Н	_	Н
Data Systems of California		•									*	Ť	-		
Data Systems, Inc.		•				*									-
Data Tabulating Corporation						*	-			-		_			H
Data Train, Inc.		•									•				-
Data Universal Corp.		•		*							-	•	•		Н
Data 3 Systems		•	•	•	•	•	•	•	•	•	•	•	•		Н
Data-Pack Inc.		$\vdash$	*	•	•	•	•	•	•	•	•	Ť	-	-	-
Data-Power		•								*	_				Н
Data-Tax, Inc.		•			*		$\neg$				_	$\neg$			-
Data-Tek Corporation		•		*	•		•					$\neg$			
Data-Tronics Corporation		•	•	•	•	•	•	•	*	•	•				_
Databank		•	•	•	*	•	•	•	•	•	•	•			_
Database Design Incorporated		•	•	•	•	•	•	•	•	•	•	•	•	•	_
Datachron Corporation		•		*				_			$\neg$	•			_
Dataco, Inc.		•		*											
Datacom Systems Corporation		•	*												
Datacor Services Inc.		•									•				
							-		_	-	_	_	_	-	-
Datacrown Inc.		•										•	*		
Datacrown Inc. Datafast Inc. Dataflow Systems, Inc.		•		*			-	+			-	•	*		_

<sup>★ =</sup> Headquarters

## **CAMP GEOGRAPHIC INDEX**

GEOGRAPHIC MARKETS			LIC	NTRAL	ENTRAL	C	NTRAL	NTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Datair Systems Corporation		•	•	*	•	•	•	•	•	•	•	•		
Datalex Company		Ť	Ė		-		Ė	Ė	Ť	•	•		•	_
Datalift Corporation							_	$\vdash$	_	•	Ť	-	Ť	
Dataline Systems Ltd.	+-	$\vdash$						-		_	•			-
Datalink Systems Inc.	1.	1		*				1		-	ř	Ť		
Datamatics Management Services		*	*		_		$\vdash$	-	-	$\vdash$	•	•		
Datamedix	•	*	·			Н		-			•	Ť	Н	
Datamor		<del>                                     </del>	*		-	Н		$\vdash$			Ť	-		
Datanetics	-	┢	*		-	-	-	$\vdash$	-		•	H	•	•
Datanex, Inc.		-	<u> </u>		_	-		$\vdash$		*	ř	-	-	Ť
Datatab Inc.		*	•			Н	-	-	Н	Ĥ	$\vdash$	-	-	
Datatel Inc.		•	•	•	-	*		-		-	$\vdash$	-		-
Dataware. Inc.	-	۲	*	_	-	Ĥ	$\vdash$	$\vdash$			•	-	Н	-
Datran Corporation	-	*	<u> </u>					$\vdash$		-	ř	⊢	Н	-
Datronics, Inc		l ^	*			•			•	-	Н	$\vdash$		
Davidson Software Systems	•	$\vdash$	Ĥ	*		ř	-	Ť	Ť	-	$\vdash$	-	Н	
Daxco	•	┢		Ĥ		*	-	$\vdash$		-	•			-
Dealer Services Corp.	•	-	*		_	<u> </u>	-	$\vdash$		-	ř	-	Н	-
DeBugge Computer Services Inc.	•	+-	Ĥ		-	*	-	-		-	•		•	
Decimus Corporation	-	-				Ĥ	-	-	H		-	-	Н	-
Decision Concepts, Inc.	-	•	*		_	•	-	•	Н	-	$\vdash$	-		-
Decision Focus Inc.	-	-	12			-	-	-	-	•	⊢	-		
Decision Graphics	-	*	-	-	_		$\vdash$	-	-	•	$\vdash$		Н	
Decision Products Services, Inc	-	<u>  ^</u>	-		_	H	-	-			-	-	•	-
Decision Science Inc.	-		•	•		•			•	•	•	•	Н	-
Decision Sciences Corporation	-	۳	*	_	-	Ľ	-	-	-	-	-	-	•	-
Decision Systems, Inc.	-	-	Ĥ		*	-	-	+			-	-	Н	
Decisions Development, Inc.	-	$\vdash$	*			-	-	-	$\vdash$	_	<u>-</u>	-	Н	H
Del Bron Inc	-	-	-		-	-	_	+-	-		$\vdash$	-	-	$\vdash$
Del Rey Systems, Inc.	-	$\vdash$	-		_	-	-			•	$\vdash$	-	Н	$\vdash$
Del-Data Computer Services	-	-	-			*		$\vdash$	-		-	-		-
Deloitte Haskins & Sells	-	-	*			_	-	-			-			-
Delphi Data Systems, Inc.	-	-	×		*			-	-		•	•	•	•
Delphi Systems Inc.	-	$\vdash$	-		*			-	-	•	•	•		-
Delta Computer Systems	-	-	+-		-	-	-	-	*	-	-	-		H
Demarco-Shatz Corporation	+	-			-	_	-	-	*	-	-			H
Denver Software Company, The	-	-	-					-	-	*				$\vdash$
Denver Software Company, The	•	L.							*		•	•		L

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS			7.	RAL	TRAL		RAL	TRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAI	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENT	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Desa, Inc.	•		*					-			H	$\vdash$		H
Desert Data Centers Inc.		_	-					•	*		-	-	-	-
Design Aids, Inc.								-		•	•	-		-
Designers & Builders of Information Systems		•	*							Ť	Ť	-	-	-
Development Systems International										•	•	-	•	
Dewar Information Systems Corporation				*						Ť	•		Ť	-
Dexel Systems Corporation		$\vdash$									-	$\vdash$	$\vdash$	-
Dial Computer Systems Corporation					*			_			_		-	Н
Dial Tyme						*					•	•	_	$\vdash$
Dialcom Inc.												•	•	$\vdash$
Dialog Information Services, Inc.										•	•	-	•	-
Digicon Inc.								*			•	$\vdash$		
Digidat Systems Inc.			*										_	-
Digital Business Systems, Inc.		*										_	_	
Digital Datacom Inc.										•		$\vdash$		
Digital Equipment Corporation	•	*									•			$\vdash$
Digital Information Systems Corp. (DISC)	•									•	•	•	•	•
Digital Microsystems	•									•	•			Ė
Digital Research Inc.	•									•	•	•	•	•
Digital Solutions Inc.	•		*											
DIMIS, Inc.	•	•	*	•	•	•	•	•	•	•				Н
Directions Inc	•	•	•	•	•	•	•	*	•	•			-	
DISC, Inc.	•					*					•	•	•	•
Distributed Systems Corp.	•	*									Ť			Ť
Distribution Management Systems Inc.	•										•			_
Distribution Sciences Inc.	•			*										
Diversified Data Resources, Inc.										•				
Diversified Data Systems Inc.	•										•			
DOSE Pharmacy Systems	•							*						_
Dow Jones Information Services	•										•			
Dow Jones News/Retrieval Service	•		*								•			
Doyle Data Systems, Inc.	•			*										
Dubuque Data Services	•				*							-		
Dun and Bradstreet	•		*								•			
		_			-	-	-	_	-	-	-	_	•	_
Duquesne Systems Inc. DYATRON Corporation			*	•			•	•	•	•	•	•	-	

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				١٢	AL		ı,	AL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Dynamic Control Corporation		-	_	Н		*	_					•		_
Dynamic Data Processing Inc.	•	$\vdash$	-	Н		*					•	-		
Dynamic Solutions, Inc.	•		*								•			
Dynamics Research Corporation		*				•								
EBS Data Processing Inc.	•				_	-			*	•	•	•	•	•
EDP Design Consultants, Inc.	1		-		*									-
EDP Management, Inc.		$\vdash$			_					*		-		-
EDP of America, Inc.		┢	*											Н
EDP Services Company Inc.	+-	-	-		-					*		$\vdash$		Н
EECO		1							_	*	•			_
EECO Computer Inc		$\vdash$	$\vdash$				-			•				Г
EFT Data Services, Inc.		*	•	•	•	•	•	•	•	•		_		Г
EMA. Inc	•	•	•	•	*	•	•	•	•	•	•	•		Г
EPS Consultants		Ť	Ė	-		Ė	Ė	*	_	-	•	•	•	H
EPS Consultants Inc.	-		•	*	•	•	•	•	•	•	•	•	•	•
ESI	•	Ė	Ė	$\vdash$		*					•	•		Г
ESP Computer Services Inc.	1	H			_					*		Т		Г
Evaluation Planning Systems International, Inc (EPS)		*	•	•	•	•	•	•	•	•	•	•	•	1
Eagle Computing Corporation		_				$\vdash$		*		_			_	Г
Eaton-Kenway, Inc.	•	$^{\dagger}$	-		_				*		Г			Т
ECCO Consulting Incorporated			*			1					$\vdash$			r
Economic Sciences Corporation		•	•	1		-		$\vdash$	-	•	_			T
Educational Methods, Inc		۲	Ť	+-	$\vdash$	$\vdash$	-	$\vdash$	*	-	$\vdash$		-	H
Election Computer Services Inc.	Ť	•	*		_					-	$\vdash$	$\vdash$	$\vdash$	r
Electrocon International, Inc.		Ť	+	*	$\vdash$	_	_				$\vdash$		_	t
Electron Information Systems		1		1		$\vdash$	-	$\vdash$	*	$\vdash$	$\vdash$			t
Electronic Banking Systems	•	╁	$\vdash$		-	$\vdash$		*	-	1	1	$\vdash$		t
Electronic Business Services	+-	$\vdash$	$\vdash$		-	-		-	•	•	$\vdash$	$\vdash$		t
Electronic Calculus Inc.		$\vdash$	*	$\vdash$		1	-	1	-	Ė	•	$\vdash$	$\vdash$	t
Electronic Data Systems Corporation		1	$\vdash$	_		$\vdash$		*			•			t
Electronic Systems Inc.				*									$\vdash$	T
Electronic Tabulating Corporation			*								•	•		T
Electronic Tabulating Service Inc.		1	1			*				1	1			t
Elke Corporation		1	1		*						•			t
Embassy Institute, The		+	1		*		T			1	•		•	T
Empire Cybernetic Associates	-	1	*											T
Employee Communication Services Inc.		+	+	-	$\vdash$	1	_	1	1	-	$\vdash$			+

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Encomp Systems, Limited	+									_				_
Energy Enterprises of Denver, Inc.	•		*								•			
Enertee Inc.							_							
Engineering Interface Ltd.	10		*								•	•	•	•
Engineering Software Systems	+-	Н		_	_			_		-	•	•		•
Engineering Systems Corporation	-	$\vdash$	_	_	_	_	_	_	_	•				_
Engineering Systems Research Co. (ESR)	-	$\vdash$		_	_	_	_	*		_				_
Enterprise Computer Systems				*	_	_	_	_	_	_				
Enterprise Technology Corp.	-	$\vdash$		_	_	_	_	_						
Epsilon Data Management, Inc.	+-		*		_	-	$\dashv$	_	_	_	•		•	•
Equifax Inc.		*	_	-			_	_	_	_	_			
ERCO	•		_		_	*	_	_	_	_	•	•		
Ernst & Whinney	-	$\vdash$	-	*	_		-	_	_	_	_		_	
Escom, Inc.	•	-	_	*		-	-	_		_	_	$\Box$		_
Evans, Griffiths & Hart, Inc.	+-	-	_		-	_	_	_	_	•	•	•	•	•
Evansville Data Processing Corporation	•	*	-	_	-	_	-	_	_	_	•			
Execucom Systems Corporation	•	_	_	*	_	_	_	_	_	_			_	
Executive Compumetrics	•	•	•	•	•	•	•	*	•	•	•	•	•	
Executive Systems, Inc.	•	•	•	*	•	•	•	_	4	_	_	_	_	
Executive Technology Data Systems (ETDS)	•	_	_	_	_	*	_	_	_	_	_	_	_	
FMG Corporation	•	•	-	•	_	_	_	•	_	_	•	•	•	•
Factory Systems	•	_	-	-	_	_	_	*	_	_	•	_		
Fair, Isaac Companies	•	*	_	-	-	_	4	_	_	_				_
Fannin Bank	•	•	•	•	•	•	•	•		•	•		•	_
Federal Data Corp		_	_	4	4	4	4	*	_	_				_
Federal Electric Corporation	•	_	_	_	_	4	4	_	_	•	_	_	_	
Federal Equity Evaluation	•	_	*	_	_	_	_	_	_	4	$\perp$			
Fein-Marquart Associates Inc.	•	-	*	_	_	1	4	_	4	_				
Ferox Microsystems, Inc.		4	•	-	-	*	-	_						
Fidelity Union Bancorporation	•	-		4	_	*		_	4	4	•	•	•	
Fidler Bateman		-	*	_	4	4	_	4	4		_			
Fiduciary Processing, Inc.	•	_		*		_	_	_	_	4				
Figgie Systems Management Group	•	•	*	-	-	•	4			_				
inancial Accounting Services, Inc.	•	-	4	*	-	4	4	4		4	4		_	
incial Data Systems, Inc.		-	-	*		-	-	1	1	4	_			
ncial Decisions Systems, Inc.	•	1		-	*	4	4	1	1		1			
		•				•		•		<ul><li>I</li></ul>				

<sup>★ =</sup> Headquarters

GEOG MA	RAPHIC RKETS	L 0:3:	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	IC.	FOTAL INT'L	DA	)PE	an an an an an an an an an an an an an a
COMPANY NAME	TOT	FIOI	NEW	MIDD	EAST	WEST	SOUT	EAST	WEST	MOU	PACIFIC	TOTA	CANADA	EUROPE	OTHER
Financial Interstate Services	•	,					•	*				П	Г		Г
Financial Management Associate		1									*				Г
Financial Network Architects, Inc.		1									•				Г
Financial Services, Inc.	•			*											Г
Financial Software of America		1					*								Г
Financial Statistics, Inc.									*						Г
Financial Technology Inc.					*										Г
Finar Systems Limited									*			•	•	•	Γ
Finsery Computer Corporation			•	*				•			•				Г
Fireman's Fund Insurance Co.		1									•				Г
First City Services Company		7							*		Т				Г
First Computer Corp.		7			*										Г
First Computer Corporation						*									Г
First Data Resources, Inc.	•	1				*									
First National Bank of Anchorage, The		1									•				Γ
First National Corporation of Appleton															
First Security Financial Systems, Inc.									*						Г
First Washington Corp		•					*		Γ						Г
First Wisconsin National Bank of Milwaukee		1			*										
Fits System Inc.		T		*											Γ
Floral Network, Inc.	•	•			*							Г			Γ
Flores Associates	•	•		*								•			Γ
Florida Associated Services	•	•					*								Γ
Florida Computer Inc.	•	•				*						•	Г		Π
Ford & Associates, Inc	•	•			*										
Foresight, Inc.	•	•					•					•			I
Formula Consultants, Inc.		Т									•				Ι
FORTH, Inc.	•	•						Г			•	•	•		I
Four-Way Systems	•	•			*										ſ
Frankel Engineering Laboratories, Inc.		•		*											ſ
Frey Federal Systems Corporation	•	•	*									•	•	•	I
Frey, Donald R & Co		•						*							1
Freyburg Systems Associates Inc.		•	•	*	•	•	•	•	•	•	•				1
Friesen International, Inc.		•					*					•			1
Frost National Bank									*			_		_	1
Fulcrum Computer Group		•	•			1	*	1				1	1		1

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
GMS Systems, Inc.	•	$\vdash$			Н		*							
GMS Systems, Inc.		-	*	-								ř	-	$\vdash$
GTE Telenet Information Services, Inc.		$\vdash$	*	_					$\vdash$	-		$\vdash$	-	
Galler Associates Inc. (GAI)		-		-	-	*			-		•	-		$\vdash$
Gambles Datamation		-		-		_		-		*	۲	$\vdash$		-
Gamma Systems Services						*		-	$\vdash$	-	-	-		$\vdash$
Gamma Technology		$\vdash$		-				_	_	*	•	•	•	
Gancom Inc.		$\vdash$	*	$\vdash$				_	-	Ĥ	Ť	ř	_	
Garrett Computing Systems Inc.		-				-		*	-		•	•	•	-
Gaylord Bros., Inc. Library Systems Division		-	*		-			-		-	Ť	Ť	Ť	$\vdash$
GEJAC Incorporated		$\vdash$	-	-		*			-	-		-	_	$\vdash$
Gellman, Hayward & Partners	+	-						_	-			*		-
Gemini Business Systems					-			-		•	Ť			$\vdash$
GENASYS Corporation						*		_		-	$\vdash$	-	_	-
Genelco, Inc.		_		-	*			_	-	-	-	$\vdash$		$\vdash$
General Computer Corporation	+	$\vdash$							-	-	•	-		$\vdash$
General Computer Corporation		•	•	*			•	•	•		-	-		
General Computer Management Corporation				•		*				•		_		-
General Construction Data Systems, Inc		$\vdash$						*	-	-		_		_
General Contractor Data Service								*	_					-
General Data Systems, Ltd.			*											-
General Electric CAE International, Inc				*		_					•	_	•	•
General Electric Information Services Company		•	•	•		*	•	•	•	•		•	•	
General Health Corp.					-	*			-	-	•	•	_	
Generation Sciences International										*	•	•	•	Ť
Generic Systems Inc.						*		_			•	-	•	-
Genesee Computer Center, Inc.			*					-			•	•	-	
Genesys Software Systems, Inc		*												
Genisco Computers										•	•			
Gentech, Inc.	•		*											
Geographic Systems	•	*									•			
Geophysical Service Inc.	•							*			•			
Geophysical Systems Corp	•							•	•	•				
GeoQuest International Inc.	•							*			•	•	•	•
Geosource Inc.								*			•			
Gerber Scientific, Inc.	•	*									•			
GESCO Corporation									•					

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	H							_			_	_		_
Gilbert Associates Inc. Glendale Federal Savings	•		*							*	•			_
Global Data Corporation/DFA	-									*	Н	-		_
Global Data Corporation, Inc.	-										H			-
Global Data Midwest Corp	-			*			-			-				_
Global Software	-			*		*		-			•	•	•	•
Goal Systems International Inc	-	•		*	•	•	•	•	•	•	-	-	•	ŀ
Gottfried Consultants	-	۳	-	*	-	-	•	-	_	•	Н	-	-	
Grafcon Corporation	•	$\vdash$	-		-	-	-	*		-	•	•	•	-
Graham-Dorian Software Systems, Inc.	•	$\vdash$			*		$\vdash$	Ĥ		-	•	-	•	-
Gramco Inc.	•	-	-		*			_		-	Ť	۳	-	-
Grand Terrace Data Systems	•	$\vdash$	$\vdash$		Ĥ	$\vdash$		$\vdash$		*	H	-		-
Graphic Arts Data Service	•	-	+	*	$\vdash$		-	-	$\vdash$	Ĥ	-	<del> </del>	-	
Graphic Data	•	⊢	-	-	$\vdash$		$\vdash$		$\vdash$	*	$\vdash$	$\vdash$	H	-
Graphic Software Systems	•	-	-		-					•	•	•	•	•
Graphtek Corporation	1	-	-				$\vdash$		*	Ť	•	Ť	Ť	r
Greater Cleveland Computer Center	•	$\vdash$	-	*		-	-		<del>-</del> -	$\vdash$	Ť	-		Г
Greer Sontag Associates Inc.	•		*	<u> </u>	-	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-		-
Grenier Associates Inc.	•		*		-		$\vdash$				-	-	H	r
Groundstar Software	•	۰	1^	-		-	-	-		•		•	•	4
Group Operations, Inc.	۰	$\vdash$	$\vdash$	-	-	*	-	+		-	-	۲	-	Ė
Grumman Data Systems Corporation		$\vdash$	*	$\vdash$	$\vdash$	Ĥ	-	-	$\vdash$		$\vdash$	$\vdash$	$\vdash$	-
Gull Resources Management Systems, Inc		$\vdash$	*	-	-	-	-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	-	H
Gulley Computer Associates		1	Ĥ	+-	-	-	-	*	$\vdash$	$\vdash$	$\vdash$	-		H
H & A Computer Systems Inc	•	$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	+	<del>  ~</del>	$\vdash$				•	r
HBO & Company		-	$\vdash$			-	$\vdash$	-	_	۲	Ť	ř	Ť	H
HDR Systems Inc.		-	-	_	*		$\vdash$	+		$\vdash$	$\vdash$	$\vdash$		H
HW Systems, Inc.		$\vdash$	$\vdash$	+-	-	-	$\vdash$	$\vdash$	Ť	*	$\vdash$	$\vdash$		H
H & M Systems Software, Inc.			*		•					1				+
Hadron Inc.	1	1	1	-		*	Ť	1		-				-
Hal Systems & Services						•	•	*						-
Hall and McChesney			*	-		-								T
Hancock-Dikewood Services Inc.		•		•		•			*	•			-	r
Haney & Associates										*				T
Hansco Data Processing Inc.		*			1									Γ
Harfst Associates Inc.					-					•				T
Harris & Paulson Inc.								1	*		Т			T

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Harris Data Service Inc.		┝	_	*							•	•		
Hartley Data Service Inc.	-	$\vdash$		*		_		-		$\vdash$	-	-		
Haverly Systems Inc.	•	$\vdash$	*			_		-		-	•	•	•	
Hay Huggins Data Services Inc.	-		*	-		•		-			-	<u> </u>	-	Ť
Hayden Publishing Software Division	-	-	*			Ť			-	-	-	-		
Health Information Systems Inc. (HIS)	•	-	*			_		$\vdash$	_	-	$\vdash$	-		
Health Systems Institute of Maine	•	*	-				-	-	-	-	$\vdash$	$\vdash$		
Heights Information Technology Service, Inc.	-	Ĥ	*			_		$\vdash$		┢	⊢			-
Helm Data Processing Inc.	-	-	<u> </u>			_			$\vdash$	*	-	-		
Hemenway Corporation	•	*			-		Н	-	-	^	•	$\vdash$	•	_
Henco, Inc.	-	*		-				$\vdash$		$\vdash$	•	•	•	
Henry, Jack & Associates	-	•	•	•	*	•	•	•	•	•	•	-	_	-
Heritage Computer Corporation	•	-	_	*	^	_	-	ŭ	-	-	•	•		-
Heuristic DataSystems, Inc.	-	┢	$\vdash$	*					-	$\vdash$	-	-		-
Hewlett-Packard General Systems Division	•	-			-	_	Н			•		┝		_
Higley & Company, Inc.	•	-		*	$\vdash$		Н		$\vdash$	-	۳	$\vdash$		
Hilltop Enterprises, Inc.	-					*	H	-	-	-	•	$\vdash$	-	
Hobbs Associates Inc.	-	$\vdash$	Н	-	-	Ĥ	Н	-	-	*	•	-		Ť
Hogan Systems, Inc	-						Н	*	_	Ĥ	÷	•		_
Holguin & Associates	•	•	•	•	•	•	•	*	•	•	H	-		_
Hollander Associates	•	-	-	_	_	-	-	_	-	•	H	-	•	_
Holmes & Shaw Inc.	1.	-	Н		-	-	-	*	•	6	_		-	_
Honeywell Datanetwork	-		Н	-	*		Н	^	-		•		-	_
Honeywell Inc.	-		Н		*	_					H	=		-
Honeywell Information Systems	-	H	Н		*	-		_			•			
Horrigan Analytics	+		Н	*	-								$\dashv$	-
Hospital Data Services	•	Н		_			$\vdash$	*	-				-	
Houston Data Center Inc.	•	Н						*			Н	Н	-	-
Houston Engineering Research Corporation	•			-				*			•			
Houston Information Systems Inc	•			-				*	•		Ť			
Houston Micro-Computer Technologies, Inc.	•							*	Ť					
Howard Finley Corporation	•					-		*			•			-
Howard Systems International	Ť		*								Ť			_
Human Computing Resources Corp.	•								-		7	*		
Humatix Business Systems Inc.	•							•	•	*				
Hurd Associates	•							-		*				
Hutchinson Associates Ltd.				*										

<sup>★ =</sup> Headquarters

O Dec. 1982 by INPUT, Mountain View, CA 94043. Reproduction Prohibited.

GEOGRAPHIC MARKETS				ر	L			Г						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	<b>40UNTAIN</b>	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHED
		_	F4			-			-	_		L		_
Hydra Computer Corporation Hydrocomp Inc.	•	┡			_	*								_
ICS Group	•	_			_					•	•			
IDC Data Services Inc.	•									•				
IE Systems Inc	•	_	*	•						•				
IFA Computer Services Inc.	•										•	•	•	•
IFA Computer Services Inc. III Systems, Inc.	•		*											
ISI Systems Inc.	•	*	•	•	•	•	•	•		•	•	•	•	_
	_	*			_									L
I-Concepts, Inc	•	_						*						
IBIS Corporation		_				*								
Iconix	•	L.			_					•	_			
Ikier Technology	•	*									•			
Illiana Data Processing	•	_		*	•									
Improved System Technologies Inc.	•	_	*			_						•	•	L
Incepts, Inc.	•	_						*						L
INCO Inc.	•	_	•	•		*		•		•	•			
Indecon Inc.	•		•	*	•	•	•	•	•	•				L
Independent Computer Systems (ICS)	•	L							*		•		•	•
Independent Tax Corporation (ITC)	•									•				
Index Systems Inc.	•	*	•	•	•	•	•	•	•	•				
Indiana Gas Company, Inc.	•			*										
Indiana National Bank	•	_		*										
Industrial Programming, Inc.	•										•	•		
Industry Data Services	•									•				
Info 3	•									*	•		•	Γ
Info-Data Services, Inc.	•				*									
Info-Serve, Inc.							_		*					
Infodata Systems Inc.		•	*	•	•	•	•	•	•	•				
Infomark, Inc.	•		*											
Infomart												*		
Infomed		•	*											
Informata Landex Systems	•	•	•	•	•	•	•	•	•	•				
Informatics General Corp	•										•			
Information & Communications, Inc.	•									*				
Information & Publishing Systems, Inc.	•					*								
Information Access Systems, Inc.	•										•			ſ
Information and Systems Research, Inc. (ISR)			*								•			

GEOGRAPH MARKETS COMPANY NAME		IOIAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	FOTAL INT'L	CANADA	EUROPE	OTHER
NAME	Ē	=   ;	Z	Σ	Œ	Ė	Š	Œ	×	Σ	P.	F	٥	国	0
Information Associates, Inc.		•		*								•			
Information Automation, Inc.	-			*											-
Information Builders, Inc.	- (			*								•	•	•	
Information Catalysts, Inc.	- (	•	•	*											
Information Consultants Inc.	-	•					*								_
Information Control Inc.	(	•				*									Т
Information Dynamics Inc.		$\top$			*				_						Г
Information Equities Inc.	- (	•	•	•	•						•				
Information Handling Services	- (	•	$\neg$							*		•	•	•	•
Information Management International	-		•	•	•	•	•	•	•	•	•	•	•	•	•
Information People Inc, The	-				*							•	•		$\vdash$
Information Processing Corporation	- (		$\neg$				$\vdash$		*			$\vdash$		Т	$\vdash$
Information Processing Directions, Inc.	- (	•			*						-	•			
Information Processing Techniques Corp.		•									•	•	•	•	•
Information Processing Inc.	-	•							*		_	•			
Information Recall Systems, Inc.	- (	•	*												
Information Research Associates	- (		•	•	•	•	•	•	*	•	•	•		•	
Information Resources Ltd	- (	•	•		•	•	•	•	•	*	•	•		•	•
Information Science, Inc.		•	•	*	•		•		•		•	•	•	•	
Information Sciences, Inc.		•	*											Г	
Information Services, Inc.							•	*						_	
Information Systems Design, Inc.	- (		•	•			•		•	•	*				Г
Information Systems Inc.		•	*												
Information Systems Inc.			*												Н
Information Unlimited	-										•	•	•	•	•
Inforware Systems, Inc (ISI)		•								*					
Infoservices, Inc	-	•	$\exists$												
Infosoft Systems, Inc.			*	$\neg$								•	•	•	•
Infotec Development Inc.	•	•									•				$\overline{}$
Infotecs	-		*	•	•	•	•	•	•	•	•				
Innosys, Inc.	-	1									•				
Innovation Data Processing, Inc.				*											
Innovative Software		•				*						•			
Innovative Systems, Inc.	-	•		*											
Input Output Computer Services	-	7	*												
Input Services, Inc.		•					*								
Input Systems Inc.		T									•				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				ر	Т		,	r						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Insac Software Inc.	•	L				*					•	•		
Insco Systems Corporation	•		*	•				•			•	•		
Instacom, Inc	•	•	•	•	•	•	•	•	•	•				
Insurance Data Processing Inc.	•	•	*											
Insurance Data Systems	•	_								*				
Insurance Information, Inc	•	•	•	•	•	*	•	•	•	•				П
Insurance Processing Services, Inc.	•			*							•			Т
Insurance Servicing & Information Systems Corp.	•					*								
Insurance Systems Inc.	•									*				П
Insurance Systems of America	•	•	•	•	•	•	•	•	•	•	•	•		
Intech, Inc.	•				*						•			C
Integon Computer Corporation	•		•			*								
Integral Business Computing, Inc.	•									•	•	•		
Integral Systems, Inc.	•									•	•	•		
Integrated Automation Inc.	•					*								Т
Integrated Business Methods Inc. (IBMI)	•					*								
Integrated Computer Services Inc.			*							•				
Integrated Software Systems Corporation (ISSCO)	•									•	•			Г
Integrated Systems Management	•									•				
Integrated Technologies, Inc.	•		*											
Integrated Time Systems										•	•			
Intel Systems Corporation	•	•	•	•	•			*	•	•	•	•	•	
Intellectron International, Inc.										*				
Intelligence Interlink Corporation			*											_
Intelligent Systems Corporation	•	*		$\neg$								•		_
Inter Systems, Inc.	•					*								
Inter-Care	•									•				
Intera Environmental Consultants, Ltd.	•							•				*	•	_
Interactive Applications, Inc.	•									•				_
Interactive Elements Inc.		•	*	•	•	•	•	•	•					_
Interactive Inc.	•					$\neg$				•	•		•	
Interactive Information Systems, Inc.	•			*							•		•	•
Interactive Management Systems, Inc. (IMS)	•	*									•		•	
Interactive Management Systems Corp.	•								*					_
Interactive Market Systems, Inc.	•		*								•	•	•	
Interactive Software Inc.	•							*	•	$\neg$				_
Interactive Software Systems Inc.									*					_

GEOGRAPHIC MARKETS				ر	Г			Г						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
INTERACTIVE Systems Corporation	1.	П						_		•	•	•	•	_
Interactive Technology Inc.	•	Н				-	-	-		•	•	•	•	
Intercomp			-	-				*		_		•	•	-
Intergraph Corporation		-						_				•	•	•
Intermark Systems, Inc.		Н					-	*	-		•	•	Ť	Ť
Intermethods	Ť	Н	Н	$\vdash$			-			*	Ť	Ť		-
Intermetrics, Inc.					_	-	-		-	Ĥ	Н	$\vdash$	$\vdash$	-
International Business Services Inc.						*	_		$\vdash$		•	┢		•
International Computaprint Corporation		•	*	-	$\vdash$	_			$\vdash$	Н	Ť	-	$\vdash$	_
International Computer Technology (ICT) Corporation	-	ř	Ĥ	$\vdash$					-	•	•	-	•	
International Computer Systems	-	-	-	*	$\vdash$			_	-	_		-	Ť	_
International Data Base Systems, Inc. (IDBS)	-	$\vdash$	*	Ĥ	$\vdash$			-	-		•	$\vdash$	$\vdash$	$\vdash$
International Data Systems	-	$\vdash$	Ĥ		-	*		_			-	-	-	$\vdash$
International Environment Research, Inc. (IER)	•	$\vdash$	Н	-	-	_	_			*	-	-		$\vdash$
International Graphics	•	$\vdash$			-				-	-	Н	$\vdash$	$\vdash$	-
International Management Systems Corporation	-	$\vdash$		-	-			_	-	*	Н	$\vdash$	-	-
International Market Resources Services	Ť	*	•	-					-	_	Н	$\vdash$	-	$\vdash$
International Mathematical & Statistical Libraries, Inc.		Ĥ	Ť			Н		*	-	Н	•	•	•	
International Micro Systems Inc.	-	-			*			<u> </u>	Н	Н		•	•	•
International Programming Labs	Ť	*	-		Ĥ		-		Н			-	Ť	ř
International Systems, Inc.	•	<del> -</del> -	Н		$\vdash$	-	-	_	$\vdash$	-	•	$\vdash$	$\vdash$	$\vdash$
International Telecontrol Corporation	•	-	*	•	•	•	•	•	•	•	-	$\vdash$	-	$\vdash$
Interpac Software, Inc.			•	•	-	Ť	Ť	Ť	-	*	Н	-	$\vdash$	
Interpretive Data Systems	-	*	Ĕ	Ť	-	-		_	-	_	Н	$\vdash$	-	
Interpretive Data Systems	-	*			-						Н	$\vdash$		-
Interstate Business Services	1	Ĥ		*	-	•		-			Н	-	-	
Interstate Computing & Software Corporation	Ť	•	*	<u> </u>	$\vdash$						Н	$\vdash$	-	
Interstate Computing Inc.		Ť	_	-				*	Н		Н	Н		-
Intersystems Software Inc.	•	$\vdash$	*	$\vdash$	-				Н		-	•	_	
INTERTEC		Н				-			-	•	Н	ř	_	
Intimate Services	•				-	*		_					-	-
Introdata	•									*		-		
Investment Computer Services Inc	•				*							-	-	
ISIS Systems, Inc.	•	*									-		-	-
J.M.S. and Associates	•			*			-					-		-
JCI Data Processing Inc.	•		*	<u> </u>						-		-		
JES, Inc.	1			-				*	_			<b>—</b>	-	-

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS	FOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	FOTAL INT'L	CANADA	EUROPE	OTHER
COMPANY NAME	TO	NE	MII	EAS	WE	SOI	EAS	WE	MO	PAC	TO	CAJ	EU	OT
JSK Consultants			*											Г
Jacobsen & Associates		•	•	•	•	•	•	•	•	*				Г
Jason Data Services	•	•			•	•	-			*	•	•	•	•
Jayanel Computer Services	•		*											
Johnson Computing Inc.			*											Г
Johnson Systems Inc.											•			Г
Johnston Brown & Associates Inc (JBA,Inc)										•	•		•	•
K & H Computer Systems, Inc.	•		*								•			Г
K & S Data Services, Inc.										•				Г
K-Squared Systems			*								•	•		Г
Kaiser, M.A. & Associates				*										Г
Kappa Systems Inc.	•					*					•			Г
Keane, Inc.		*	•											Г
Kearney, A T	•			*							•	•	•	•
Kearns and Company	•			*										Г
Kebert Corporation	•					•		•		•				Г
Kennedy & Coe	•	_			*									
Kentron International Inc.											•			Г
Key Data Services Inc.	•									•				Г
Key Financial Systems Inc.	•	•	*	•	•	•	•	•	•	•				Г
Key Management Inc.		•		•	*	•	•	•	•	•	•	П	•	Г
Key-Matic Corporation	•		*											Г
Keydata Corporation	•	*									•	•		Г
Keypunch & Systems Support, Inc.	•		*											Г
Keystone Computer Associates Inc.		$\vdash$	*											Г
Keyvest									*					Г
Kimbrough Computer Sales, Inc.									*					T
Kirby Computer Systems	•	•	*			•								
Kirchman Corporation						*								Г
Kitzmiller Systems										*				Г
Knuth Computer Services Inc														Г
Kor Data Systems Inc.	•			*										Г
Kranzley & Co., Inc.	•		*								•			Г
Krohm International, Ltd				*				•	•					T
L.D.M. Inc.		•				•			•	•				Г
LCS Data Processing Inc.										•				Г
LNK Corporation		_				*								1

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
LTI Consulting Services Inc.	•		*	_	_	-					_	-		_
Lakeland Computing Service Inc.	•		.^	*					-		-	Н		-
Lambros, Peter & Associates	•	-		<u>^</u>		-	-	*	-			-		$\vdash$
LAN Systems, Inc.	•			_	*			^			•	•		
Lanco Data Processing Services Inc.	•			-	*					-				-
Landart Systems, Inc.	•		*						-		•		•	-
Langston Kitch & Associates	Ť	Н			*				-		÷		-	-
Language & Systems Development Inc.	•				_	*	-	-	-		ŭ	-		_
Language Processors, Inc.	•	*		_		Ĥ	Н		$\vdash$		•			-
Latham Computer Center Inc.	•	*					-		-		_	-		Н
Lawn Data Corporation	•	Ĥ		*			-		-					Н
Lawson Associates	•	•	•	•	*	•		•	•	•	-		-	-
Learmonth & Burchett Management Systems Inc (LBMS)	•	Ť	Ť	Ť		H	Ĭ	Ť	Ť	-	•		•	$\vdash$
Legal Accounting & Management Systems	•			_	-				-	*	-		Ť	$\vdash$
Level IV Products, Inc.	•			*						-	•	•	•	•
Levis, J. Preston Regional Computer Center	•			*							-	Ť	-	_
Libra Programming, Inc.	•								*	-	•	•	-	-
Libra Technology Group		_		_	-	*			<del>-</del>		•	•	-	_
Lifeboat Associates Inc.	•	_	*		-		Н		-		•	Ť		
Link Systems	•	_								•	•	•	•	•
Linton, Shafer & Co	•	Н	-	_		*	-		$\vdash$	-	Ĕ	Ĕ	-	_
Liocs Corporation	•	Н		*		-	Н		-			-		_
List Processing Company, Inc.	•			*								-		_
Listmark Computer Systems Inc.				-		-			-			-		_
Little, Arthur D., Inc.	•	*		_		-					$\vdash$	-	-	_
Little, Arthur D., Systems, Inc.	•	*	•	•					•			-	_	_
Litton Computer Services	•	_		Ť		*			Ť	-	•	•		
Litton Industries, Inc.	•					-		_		•		_		
Litton-Mellonics	•									*				_
Lockwood Association Inc, The	•							*			•	•		-
Logi-cal Computing Inc.	•					-				*		Ť		
Logic Inc.	•							*		Ť				
Logical Design Corp.	•			*										
Logical Systems Corp.	•									•				
Logicon Inc.	•									•	-			
Logistics Systems	•					-								
Logos	•		*								•		•	-

<sup>★ =</sup> Headquarters

GEOGRAPHIO MARKETS	C			T	I.		٦	Ţ						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Lorber, Raymond G., Inc.		┝	-				_		_	•	H	H		H
Loud Consulting Corp		-	*	-	-				-	•		-		•
Louisiana Companies		-	-	-			-	*	-		-	-		
Louisville Tabulating Service Bureau		-	$\vdash$	-			*	*	-	_	H	├	$\vdash$	H
Loumar Management Systems	-	$\vdash$	⊢				_			*	Н	$\vdash$		H
Lowell-Welter Associates	-	$\vdash$	$\vdash$	-	-			*	$\vdash$	_	Н	$\vdash$	-	H
Lowenthal Programming Corporation	•	+	*		-		_	^		_	H	$\vdash$		H
Lowry, James H & Associates	-	╁	Ĥ	*		•	_			•	Н	$\vdash$		H
Lupfer & Long, Inc.	-	*		-		-		-	_	_		•	H	H
Lycor Inc.	-	•	•	*	•	•		-		•	=	ř		H
Lynch Data Processing	-	-	Ť	*	-	-	-			_	H	-		H
M C S Company (The)	•	-	$\vdash$	*	-				-	•	•	•	Н	H
M/A Com Sigma Data Inc Corporation	•	1		_	-	*		Н	-		ŭ	ř		H
MBS Consulting		$\vdash$			-					*	Н	⊢		H
MBS Software			$\vdash$	-						•	Н	$\vdash$		-
MCRB Service Bureau			$\vdash$							*	Н	$\vdash$		H
MCT Information Systems, Inc.		H	*	-							Н	-	$\vdash$	H
MDCR, Inc.	•	$\vdash$	*					-			Н	-	Н	H
MDS, Inc.				*				-			Н	-	$\vdash$	H
MHT Services Inc.		-	*	-			_	H			-	•	•	H
MIS. Inc.		-	*		-		_	H		-	Ť	Ť		H
MJK Associates		1	<u> </u>		-	-				*	•	•	•	H
MSP, Inc.		*	$\vdash$			-					ŏ	•	•	•
MVSE Software		1	$\vdash$		-				-	-	•	•	-	1
MVT Microcomputer Systems, Inc.			$\vdash$			-		H	-	*	•	Ť	•	1
MacDonald Computer Systems		$\vdash$	$\vdash$	-		-				•	Ť	$\vdash$		F.
MacNeal Schwendler Corporation		$\vdash$								•	•	-		H
Macro Corporation		+	*					-		Ť	•	$\vdash$		H
Macro 4 Inc.			*				-				6			-
Mailhouse, Inc.	•	-			*						H	Ť		-
Mailing Data Services										*	•		•	-
Major Computer Corporation			*	•	•	•					Ť	-		-
Management & Computer Services Inc.		1	*			-					•	•	•	-
Management Computer Services, Inc.				*								-		
Management Computer Services, Inc.				*										
Management Computer Controls							*					-		
Management Control Methods Inc.	•			-		*	•					-	-	-

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Management Control Systems Inc.	•	$\vdash$					•	*			Н	H	-	
Management Data Services Corporation	•	-	$\vdash$		-	*	Ť		$\vdash$	$\vdash$		$\vdash$	-	
Management Data Systems Inc.	•			*										-
Management Decision Systems Inc.	•							-		*				
Management Decision Systems, Inc.	•	*					$\vdash$	_	-	<del>-</del>	•	•	•	•
Management Decisions Development Corporation	•	-		*	-	_			-	$\vdash$	•	•	•	Ť
Management Directions, Inc		_	_	_	-	-			$\vdash$	_	_	۲	-	
Management Group Inc.		*	-	-	-	-		_	-				-	-
Management Reporting Service	•	<u> </u>	$\vdash$			_	-	-	*					-
Management Science America	•	•		•		*	•	•	•	•	•	•	•	
Management Services Inc.	•	Ť	Ť	Ť	-	*	Ť	Ť	_	Ť	Ť	Ť	-	-
Management Systems & Programming Inc.	•	*	-	-		Ĥ				_	_	-		H
Management Systems Corporation	+-	Ĥ	-						*			-		-
Management Systems of Wausau Inc.	•	•	•	*	•		•	•	•	•	-			-
Management Techniques, Inc.	•	*	-	^	-	-		_	-	-	_	-		-
Management Technology Inc. (MTI)	•	Ĥ		*	-	-	Н					-		H
Managistics Inc.	•	-	*	^		-	Н			_	_	-		Н
Manley Data Processing Company	•		*			-						-	$\vdash$	H
Manlius Valley Enterprises Inc.	•	$\vdash$	*	-	_		-			-		-	$\vdash$	-
Mann Data Inc.	-	*	_			-					_	-	-	-
Mann, Charles & Associates Micro Software Division	-	<u> </u>	-					_	-		•	•	•	-
Manufacturing Data Systems, Inc.	-	$\vdash$		*		_	Н	-			H	-	-	-
Manufacturing Resources Management	-	-		*		_			-		H		•	_
Manufacturing Solutions and Systems	-	$\vdash$		×	H	H		-	-	_	H	•	_	_
MANUS Services Corporation	-	-	-		$\vdash$	-		-		•	H	_	_	
Maple Plain Company	-	⊢	-		-		-	_	-	_				_
MARC Analysis Research Corp.	-	-	-	Н	-	-			Н	•	Ħ	•	•	_
Marcam Data Systems Corporation	-	$\vdash$	-	$\vdash$		_			Н	-	H	H		-
Marchbanks and Parker, Inc.	•					•	•	*		-	-	_	_	-
Marcoin Business Management Services, Corp	-	-				*	-	-						-
Marine Management Systems	-	*				_		-	-					
Marino Associates	-	Ĥ				*					H	•	•	_
Mariposa Corporation	-									•	-		-	
Maritime Computer Corporation			*	-				-	-	-		-		-
Mark/Ops			^							-				
Market Data Retreival	1	*						-						-
Market Data Systems Inc.		<u> </u>				-	*	-	-	-		•	•	_

<sup>★ =</sup> Headquarters

GEOGRAPHIC														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTUED
Market Research Tab Inc.	_	├		*					_		Н		H	_
Marketing Decisions, Inc.		*	$\vdash$	Ĥ			-				_	_	$\vdash$	_
Marketron	•	1^				-				*				_
Marquette Services Corporation	-	-		-	*			-	_	*	-			_
Marshall & Stevens	-	-		-	^			-		*	•			
Martin and Stern Inc.		⊢	-	Н				-		•	_	-	$\vdash$	_
Martin Marietta Data Systems	-	•	•	•	•	*	•	•	•			•	•	•
Masser Systems Inc.	-	-	-	-	-	*	-	-	•	_	¥	-	-	
Master Data Center, Inc.	-		-	*		^	-	-	_	_		_		_
Master Information Systems		$\vdash$	*	^		-		-	-	-	-	_	•	_
Mathematica, Inc.	-	•	*	•	•	•	•	•	•	•	•	•	•	_
Mathematical Applications Group	•	Ť	*	-	_	-	-	-	-	-	¥	_	-	_
Mathews & Company		*				Н	-	-	-	-	•	-		_
Matrix Insurance Services Inc.	•	Ĥ			Н	-		*	-	-	-	-	$\vdash$	-
Matzen and Associates		$\vdash$		$\vdash$	*		$\dashv$	Ĥ	-	-	-	-	-	-
May & Speh Processing Center, Inc.	<u> </u>	$\vdash$		*	_	-	$\dashv$	-	-	-	-	-	$\rightarrow$	_
McCleery, Winston T., Consultants		$\vdash$			-		*		$\dashv$	-	$\vdash$	-	-	-
McCormack and Dodge, Inc.	-	*	-		Н		Ĥ	-	$\dashv$	-	•	•	•	•
McCracken Computer, Inc.	-	*		-	-	-	$\dashv$	-	-	-	-	-	-	-
McCullough and Associates		Ë	-		*	-	$\dashv$	-	$\neg$	-	•	•	-	-
McDill Corporation		$\vdash$			^	•	*	-	-	$\dashv$	-	-	-	_
McDonnell Douglas Automation Company		•	•	•	*	-	â	•	•	•	•	•	•	
McGraw-Hill/Multilist	-	ř	*		Ĥ	-	-	-	-	ŭ	-	-	-	ì
McSpadden & Porter Inc.	-	*	<u>^</u>	$\vdash$			-	-	-	$\dashv$	•	-	•	•
Mead Data Central	•	Ĥ	*				$\dashv$	-	-	-		-	-	
Measurement Concepts Corporation (MC2)	•	$\vdash$	*		-		$\dashv$	-		-	-	-	$\rightarrow$	_
Medi-Serv, Inc.	•	*	<u> </u>				-	-		-	-	-	$\rightarrow$	-
Medical Data Control	•	Ĥ		•	*	$\dashv$	$\dashv$	-	-	$\dashv$	-	-	-	-
Medical Data Services	-	$\vdash$		-	_	*	$\dashv$	-	-	-	-	-	-	-
Medical Datamation		$\vdash$		*		_	-	-	-	-	•	•	-	-
Medical Engineering Inc	-	-		^	-	*			-	-	-	-		-
Medical Information Technology Inc. (MEDITECH)	•	*				_		-			•	•	•	•
Medidata Inc.	•	1			-			-		•		-	-	_
Medinet, Inc.	-		-				-			-		-		-
MegaSystems Associates		•	*	•	•			•		-				-
Mellon Bank Data Center	•	۴	*	•	-	•		_	-	Ť			+	-
Mencom Systems Inc.	-	-	*	-		-		-		_	-		-	_

<sup>★ =</sup> Headquarters

GEOGRAP MARKET	HIC IS		0	FRAL	TRAL		RAL	TRAL						
COMPANY NAME	TOTAL IIS	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Menlo Computer Associates	•	1								*				
Meridian Systems Inc	•	*												
Merkle Computer Systems Inc.	•					*								
Merrill Lynch Economics	•	•	*	•		•	-			•	•	•	•	
Meta Systems Concept Inc.		$\top$	*				-							
Metamorphics	•	十	*								•			•
Metasystems Inc.	•			*							•			
Metier Management Systems, Ltd								*			•		•	
Metro System, Inc.					•			*	•	Г				Г
Metrocom Inc.		1	1			*								
Metromail Corporation			1	$\vdash$	*						•	Т		
Metropolitan Computer Center									•	•		$\overline{}$		Г
Micom Systems		$\top$		*										
Micro Applications Group		1	+	1	-					*	•	_		
Micro Associates Inc.											Г			
Micro Business Systems Inc.		7		Т							Т	Г		
Micro Data Base Systems, Inc. (MDBS)			$\top$	*	*						•	•	•	•
Micro Focus Inc.				•	•	•	•	•	•	•	•	•		
Micro Information Systems, Inc.		1	*	Т							•	•	•	
Micro Macro Systems Inc.	•	1	$\top$	T							•			-
Micro Solutions, Inc. (MSI)	•	1			Г					•	•	•		Т
Micro Systems Software		$\top$		Т	Г					•	Г			
Micro-Base Associates, Inc.				*	Т						Т	Г		Т
Microbol, Inc.				T		*	•	•	•					T
Microcomputer Consultants			_	$\vdash$						•	•	$\overline{}$		
Microcomputer Software	•		$\top$										$\overline{}$	T
Micrographic and Computer Services						*					$\vdash$			
MicroPro International Corp				1						•	•			
Microsoft, Inc.	•									•	•		•	
Microsource									*					
Mid-American Control Corporation	•						*				•	•	•	
Mid-Continent Computer Services, Inc.	•					-			*					
Midco Data Systems		)			*				•	•				
Midwest Data Systems, Inc.	•			*										
Midwest Systems Group	•		•	*	•									
Miller Computing Corp	•		•	•	•	•	•	•	*	•				
Miller Microcomputer Services	•	*								Γ				T

<sup>\* =</sup> Headquarters

GEOGRAPHIC	T				. 1			,						_
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAI	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
MIII OIP	1	L												_
Miller-O'Flynn Mincron SBC Corporation	•	_						-		•	•			
Mineweld Data Management Center	•	-	*				_							
Mini Data Systems	•	-		*									_	
Mini-Computer Business Applications, Inc. (MCBA)	•									•				-
Mini-Computer Support Group	•	-	•	*						•	•	•	•	•
Mini-Computer Support Group Mini-Max Inc.		•	•	*			_	•	•		•	•		_
Minicomputer Modeling Inc.	•	_			*					_	_	_		_
Miningham & Oellerich, Inc.	•	_									•		_	_
Minnesota Information Systems Corporation	•	*			_		_	Н		Н	Н		_	_
Minuteman Computer Corporation	•				*								_	_
Misco	•	*					_						_	_
	•	_				*	_	Ш		Ш	_	_		_
Mitre Corporation Mnemonics Inc.	•	*									_		_	_
Mobius Division	•	_									•	_	•	•
	•	_	_	_							•	*		
Modular Information Systems, Inc. (MIS)	•	•	•	•		*		_		•		_		
Modulus Data Systems Inc	•	_								*	_	_		
Monchik-Weber Corporation	•	•	*	•		•				_		Щ.		_
Money Management Systems, Inc.	•	*												
Montgomery Data Systems Inc.	•	_				*						_		
Moore Data Systems Inc.	•	•	_	•		•	•	*	•					
Multibank Computer	+-	*	•	Ш										
Multicept Corporation	•	_	*									_		_
Multiplications, Inc	•	*							_			_		_
Mutual Data Inc.	•	*	$\perp$						_			_		_
Mylee Digital Sciences, Inc.	•				*				_					
NCA Corporation	•						_			•	•	•	•	•
NCR Corporation Data Centers	•		*								•	_		
NLT Computer Services	•						*					_		_
NMF Inc.	•		_			*						_		
NSA, Inc.	•	_					L.				L.			
Natek Corporation	•	_	*									<u>_</u>		
National Bancard Corporation	•					*						_		
National Bank of Commerce	•	_						*				_		
National Business Systems, Inc.		-		•	*	•	_					_		
National Computer Analysts Inc.	•		•									_		
National Computer Network of Chicago, Inc.	•			*							•		•	

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	_	_												
National Computer Systems, Inc.	•	_		_	*	_	_	L.	_	_		_		_
National CSS, Inc.	•	*	•	•		•	_	•	_		<u> </u>	<u> </u>		_
National Data Communications	•	•	•	•	•	•	•	*	•	•	_	-		
National Data Corporation	•					*					•	•	•	
National Database Software, Inc. (NDS)	•			*					_		•	_		
National Datacentre Corp.											•	*		
National Dynamics, Inc.	•					*	•	•						
National Economic Research Associates, Inc.	•		*								•			
National Evaluation Systems, Inc	•	*	•	•	•	•	•	•	•	•	•	•	•	•
National Information Systems, Inc.	•									•	•			
National Planning Data Corp	•		*											
National Real Estate Exchange	•									*				
National Sharedata Corporation	•		*											
National ShareGraphics, Inc.	•	•	•	•		•	•	*						Г
National Systems Analysts Inc.			*			•								
National Systems, Inc	•			*							•		•	
National Training Systems	•									•	•		•	•
Nelson & Bauman, Inc	•										•			•
Neoterics, Inc.	•			*										
Nestar Systems Inc. Palo Alto ICS Division	•									*	•	•	•	
Network Communications International	•									•	•		•	
Network Computing Corporation	•					*								_
Network Consultants, Inc.		•	•	*	•	•	•	•	•	•				
Network Data Processing Corporation					*							$\vdash$		_
New Century Freight Traffic Association		Г		•										Т
New Systems Inc									_	•	•	•	•	•
New York Times Information Bank	•		*					Т	_		•	•	•	
Nichols & Company Inc.	•	Г		-			$\vdash$			•	•	•	•	•
Nicolet Cad Corporation										•	•	•	•	•
Nielsen, A.C. Company	•			*							•			Ė
Nixdorf Computer Software Co.	•				-	*								
Nordata, Inc.	•		*											
North County Computer Services			_							•	•	•		
Northeast Computer Systems, Inc	•	*								-				Ť
Northeast Datacom Inc.		*	•						-					
Northeastern Systems Associates Inc.		*									-			-
Northern Consolidated Industries, Inc. (NCI)		*	•			-			-			-		-

GEOGRAPHIC MARKETS  COMPANY	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	UROPE	OTHED
NAME	TC	Z	Σ	E/	≩	Š	E/	3	Σ	P.	ĭ	Ü	E	C
Northern Numbers, Inc.	•	-			*			-		-		•	-	4
Northwest Analytical Inc.	•							-		•	•	•		ř
Northwest Computer Services, Inc.	•		-	*	•			-		-	Ť	Ť	Ĕ	
Northwest Management Services, Inc.	•				_					•			_	-
Nu-Comp Systems, Inc.				•	*			•		•				-
Numerax, Inc.	•							Ť		Ť	-	-		-
Numeric Computational Systems	•	•	*			-					-			-
OAO	•	1				*								-
ODS Systems, Inc.	•		*	Н		-		-		Н	•	-	-	4
OK Data Services	•	*		Н		Н				Н	Ť	-		ì
OR/MS Dialogue, Inc.	•	_	*		-			-		-	•	Н	•	H
Oasys Inc (Office Automation Systems)	•	*	•	•	-		-	_		-	-		Ť	-
Occidental Computer Systems, Inc.	•		Ť							•		-		-
Occupational Computing Company, Inc.	•		Н				-		-	•	-	-		-
OCTO Ltd	•		*		-		$\dashv$	-	-	_		-		-
Odin Datasystems	•	Н	-		$\neg$				-	*	Н			-
Office Manager Inc., The	•	•	•	•	•	•	•	•	-	•	•	•		•
Office Services Inc. (OSI)	•	Ť	-		Ť	•	-	*		ŭ	ŭ	-	_	ì
Offset Composition Services	╁	Н	Н		$\dashv$	*	-	Ĥ	-	-	-		-	-
Offutt Publishing	•	Н			-	*			-	Н	-	$\vdash$	-	-
Ohio Valley Data Control, Inc.	-	Н		*	$\neg$	•				-	Н		-	-
Olamic Systems Corporation	6	Н		*	$\dashv$	-	-	-		-	•	•	•	•
Omni Computer Services	•			<u> </u>	$\dashv$	*	$\dashv$	-		-	-	-	-	-
Omni Resources, Inc	•				$\dashv$	*	-	-	$\dashv$	-	-		-	-
Omni-American	-	•	•	•	•	*	-	•	•	•	-		-	-
On-Line Accounting Systems Inc.	•	•	-	•	•	•	•	•	•	-	•			-
On-Line Business Systems Inc.			-	-		-	-	•	*	*	-			-
On-Line Computer Systems, Inc.	-						-	-	^	•		-		-
On-Line Data Processing	•									*				-
On-Line Software International			*							^	•	-		-
Online Computer Library Center Inc. (OCLC)		•	•	*	•	•	•	•		•	-		•	-
Online Databanc Inc.	+-	-	-	*	-	-	-	-			-		-	-
Open Systems, Inc.				^			-					•	•	•
Operating Systems, Inc.							-		-	•	-	-	-	_
OPOC Computing Inc.	•		*		-		-			-		-		-
Optipro, Inc.			^					-		-	•	*		_
ORBIS Inc.	-	*		-		-					-	^	-	-

<sup>★ =</sup> Headquarters

Oregon Software, Inc.  Oregon Software, Inc.  Ore, Stewart P. & Associates  Ore, Stewart P. & Associates  Oxford Software Corporation  P.Stat, Inc.  Oxford Software Corporation  PAC Systems Inc.  PBM Systems Inc.  PBM Systems Inc.  PBS Computing  PBS Computing  PBS Computing  PBS Computing  PBS Computing  PBS Data Processing Inc.  PM Computer Services Co.  PM Computer Services Co.  PSS - The Program of the Month Corporation  PSA, Inc  PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  Pacesetter Systems, Inc.  Pacific Computer Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Panafire Software Services Co.  Patetl Inc  Pana American Systems Corporation  PAR Technology Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Pamerican Systems, Inc.  Pana Data, Inc.	GEOGRAPHIC MARKETS				AL	RAL		AL	RAL						
Orr, Stewart P. & Associates Overfelt Company, Inc. Overfold Company, Inc. Oxford Software Corporation P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat, Inc. P.Stat	COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTR	WEST NORTH CENTI	SOUTH ATLANTIC	EAST SOUTH CENTR	WEST SOUTH CENT	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Orr, Stewart P. & Associates  Overfelt Company, Inc.  Overfelt Company, Inc.  Oxford Software Corporation  P.Stat, Inc.  PAC Systems Inc.  PAC Systems Inc.  PBM Systems Inc  PBS Computing  PCS Data Processing Inc.  PHD Systems for Computing Inc.  PM Computer Services Co.  PMS Systems Corporation  PRS - The Program of the Month Corporation  PRS, Inc  PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  Pacesetter Systems, Inc.  Pacific Computer Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Pacing Software Services Co.  Pacted Inc  Pan American Systems Corporation  PAR Technology Corporation  PAR Technology Corporation  Para Research  Para Research  Para Research  Para Research  Para Research  Para Research  Para Research  Para Parallax Systems  Paramin, Inc.  Pattorn Consultants, Inc.  Pattorn Consultants, Inc.  Pattorn Consultants, Inc.  Pattorn Consultants, Inc.  Pattorn Consultants, Inc.	Oregon Software, Inc.	•	•	•	•	•					•	•	•	•	•
Oxford Software Corporation			$\vdash$								•	•	•		•
P-Stat, Inc.  PAC Systems Inc.  PAC Systems Inc.  PBM Systems Inc.  PBS Computing  PCS Data Processing Inc.  PHD Systems for Computing Inc.  PM Computer Services Co.  PM Computer Services Co.  PSS, Inc.  PSS-The Program of the Month Corporation  PRS - The Program of the Month Corporation  PSS - The Program of the Month Corporation  PSA, Inc.  PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  PACE Applied Technology Inc.  PACE Applied Technology Inc.  Pacific Computer Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pacific Data Systems  Pac	Overfelt Company, Inc.			T		*						Г			
PAC Systems Inc.  PBM Systems Inc  PBS Computing  PCS Data Processing Inc.  PHD Systems for Computing Inc.  PHD Systems for Computing Inc.  PHD Systems for Computing Inc.  PHD Systems for Computing Inc.  PHD Systems for Computing Inc.  PM Computer Services Co.  PMS Systems Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The P	Oxford Software Corporation	•	•	*	•		•	•	•		•	•	•	•	•
PBM Systems Inc	P-Stat, Inc.	•	Т	*		Т	$\vdash$					•	•	•	•
PBS Computing PCS Data Processing Inc. PCS Data Processing Inc. PMS Systems for Computing Inc. PMS Systems Corporation PRS - The Program of the Month Corporation PSA, Inc PSI Energy Software PSI-MED Corporation PACE Applied Technology Inc. PAcEsquery Systems, Inc. Pacific Computer Systems Pacific Software Services Co. Pactel Inc Palanter Inc. Pan American Systems Corporation PAR Technology Corporation PAR Technology Corporation PAR Technology Corporation PAR Technology Corporation PAR Technology Corporation PAR Systems Para Research Parallax Systems Parallax Systems Para Research Parallax Systems Parallax Systems Parallax Systems Para Research Para Research Para Research Parallax Systems Passon Systems Para Research Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Systems Parallax Sy	PAC Systems Inc.				*										
PCS Data Processing Inc.  PHD Systems for Computing Inc.  PMS Systems Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of the Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program of Month Corporation  PRS - The Program o	PBM Systems Inc										•				
PHD Systems for Computing Inc.  PM Computer Services Co.  PMS Systems Corporation  PRS- The Program of the Month Corporation  PSA, Inc  PSA, Inc  PSF, Inc				•	•	*	•		•						
PHD Systems for Computing Inc.  PM Computer Services Co.  PMS Systems Corporation  PRS- The Program of the Month Corporation  PSA, Inc  PSA, Inc  PSF, Inc	PCS Data Processing Inc.			*	•	•			•	•	•				-
PMS Systems Corporation  PRS - The Program of the Month Corporation  PSSA, Inc  PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  Pacesetter Systems, Inc.  Pacific Data Systems  Pacific Computer Systems  Pacific Computer Systems  Pacific Paces Systems  Pacific Paces Systems  Pacific Paces Systems  Pacific Paces Systems  Pacific Paces Systems  Pacific Paces Paces Systems  Pacific Paces Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  Paces Systems  P			*												
PRS - The Program of the Month Corporation	PM Computer Services Co.		Т	$\vdash$	*	•		$\top$	•		$\vdash$				
PSA, Inc  PSI Energy Software  PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  Pacesetter Systems, Inc.  Pacific Computer Systems  Pacific Software Services Co.  Patel Inc  Patel Inc  Pantel Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  Panter Inc.  PAR Technology Corporation  Para Research  Para Research  Para Research  Para Research  Para Research  Para Research  Parascal Data Systems  Pasacal Data Systems  Pasacal Data Systems  Pasacal Data Systems  Pattern Systems of NJ, Inc.  Pattern Systems of NJ, Inc.  Pattern Systems of NJ, Inc.  Patton Consultants, Inc.	PMS Systems Corporation		П								*				
PSI Energy Software  PSI-MED Corporation  PACE Applied Technology Inc.  Pacesetter Systems, Inc.  Pacific Computer Systems  Pacific Computer Systems  Pacific Software Services Co.  Patent Inc.  Palanter Inc.  Pan American Systems Corporation  Pana American Systems, Inc.  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR Systems  PAR S	PRS - The Program of the Month Corporation			*				$\vdash$				•			
PSE-MED Corporation  PACE Applied Technology Inc.  PACE Applied Technology Inc.  Pacific Computer Systems  Pacific Computer Systems  Pacific Computer Systems  Pacific Software Services Co.  Patel Inc  Palanter Inc.  Palanter Inc.  Pan American Systems Corporation  Pan American Systems Corporation  Pan American Systems, Inc.  PAR Technology Corporation  PAR Technology Corporation  Para Research  Para Research  Para Research  Para Research  Para Research  Parallax Systems  Paramin, Inc.  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYSTEMS  PASCA CABASSYST			•	•	•	•	*	•	•	•	•	•			
PACE Applied Technology Inc.			Г					Г				•			
Pacesetter Systems, Inc.  Pacific Computer Systems Pacific Express Pacific Software Services Co. Patet Inc Palanter Inc. Pan American Systems Corporation Pana Express Parsent Inc. Pan American Systems Corporation Pana Express Paces Inc Pansophic Systems, Inc. Pansophic Systems, Inc. Par Recand Systems Para Research Parallax Systems Parallax Systems Parallax Systems Pasacal Data Services Pasacal Data Services Pasacal Data Services Pasacal Data Services Pasacal Data Services Pasacal Data Services Pasacal Data Services Pattern Systems of NJ, Inc. Pattorn Consultants, Inc. Pattorn Consultants, Inc.			Т												
Pacific Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Computer Systems         Image: Comput		•					*					•	•	•	•
Pacific Data Systems		•							*			Г			
Pacific Software Services Co.  Pactel Inc  Palanter Inc.  Pan American Systems Corporation  Pansophic Systems, Inc.  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporation  PAR Technology Corporatio		•									•	Г			
Pactel Inc  Palanter Inc.  Pan American Systems Corporation  Pan Et Inc.  Pansophic Systems, Inc.  Par Pak Technology Corporation  Par Data, Inc.  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Research  Par Resea		•	Г		T		Г	П		П	*	Г			
Palanter Inc.			Т								*		Γ		
Pan American Systems Corporation       Image: Corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the corporation of the cor		•		*											
Panatec Inc.       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <t< td=""><td></td><td></td><td>Г</td><td></td><td></td><td></td><td>*</td><td></td><td></td><td></td><td></td><td></td><td>Г</td><td></td><td></td></t<>			Г				*						Г		
Pansophic Systems, Inc.       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td></td> <td></td> <td>Г</td> <td></td> <td>Г</td> <td>П</td> <td>*</td> <td></td> <td></td> <td>П</td> <td></td> <td></td> <td></td> <td></td> <td></td>			Г		Г	П	*			П					
PAR Technology Corporation		•		•			•				*	•		•	•
Para Data, Inc.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		•		•	*	•	•	•	•	•	•	•	•	•	
Para Research       ●       ★       ●       ●         Parallax Systems       ●       ★       ●       ●         Paramin, Inc.       ●       ★       ●       ●         Pascack Data Services       ●       ★       ●       ●         Pascal Development Co.       ●       ★       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ● <td></td> <td>•</td> <td></td> <td>*</td> <td>•</td> <td></td> <td>•</td> <td></td> <td></td> <td>•</td> <td>•</td> <td>Γ</td> <td>T-</td> <td>Γ</td> <td></td>		•		*	•		•			•	•	Γ	T-	Γ	
Parallax Systems		•	•	•	•	•	•	•	•	•	•	•			
Paramin, Inc.		_										•	•	•	•
Pascack Data Services       ◆       ★       ◆         Pascal Development Co.       ◆       ★       ◆         Pattern Analysis Recognition (PAR)       ◆       ★       ◆       ◆         Pattern Systems of NJ, Inc.       ◆       ★       ◆       ◆         Patton Consultants, Inc.       ◆       ★       ◆       ◆		•		*								•			
Pascal Development Co.         ■         ★         ■         ★         ■           Pattern Analysis Recognition (PAR)         ■         ★         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■         ■		<b>→</b> -	*												
Pattern Analysis Recognition (PAR)         ● ★ ★ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●		<del>_</del> -		*											
Pattern Systems of NJ, Inc.         ★         ●           Patton Consultants, Inc.         ★         ■		<b>→</b> -										•	•		
Patton Consultants, Inc.		<u> </u>		-		•	•	•	•	•					
				-								•			
				*											

<sup>★ =</sup> Headquarters

O Dec. 1982 by INPUT, Mountain View, CA 94043. Reproduction Prohibited.

GEOGRAPHIC MARKETS				AL	AL		4L	AL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
IVAIVIE	[	~	-	H	_	00	H	-	-	-	-	1	-	0
Pay-Fone Systems, Inc.			•	•		•				•				
Paychex Inc.		*		•	•	•	•	•		•		$\vdash$		$\vdash$
Payday DBA The Payroll Co,Inc								_		•				
Payment and Transfer Services, Inc. (PATSI)		*												H
Payment Systems Inc.						*								
Payne, Bruce Consultants Inc.			*								•			
Paynter, E. F. & Associates		$\vdash$												H
Peachtree Software Inc.						*						_		r
Pearl Data Systems			*							_				H
Pearlsoft											•		•	1
Peat, Marwick, Mitchell & Co.			*								$\vdash$			r
PECA Associates of Idaho										•				Г
Pegasus Systems Associates Incorporated								*						Г
Pelam Inc.	•			*										
Pentamation Enterprises Inc.			*											Г
Peoples Trust Bank Data Services Division				*										
Perception Technology Corp	T	*												
Performance Systems, Inc.						*					•		•	Г
Personnel Data Systems, Inc.			*								•	•		1
Personnelmetrics, Inc.														Г
Petroleum Data Corporation		•	*				•	•		•				Г
Petroleum Software Systems								*			•	•		
Petroleum Software, Inc.								*	•					
Pharmaceutical Card Systems, Inc.									*		•			Г
Pharmacon			•					*			•	•		Г
Pharos, Inc.					*							-		Г
Phoenix Computer Corp.										*				Г
Phoenix Data Processing											•	•		Г
Phoenix Systems, Inc.			*								•		•	-
Photo Data Inc.						*								
Physicians Practice Management Inc				*										
Physics International Company										*	•	•	•	•
Pillan Data Service		*	•											
Pinkerton Computer Consultants			*											
Pioneer Software, Inc				*							•	•	•	
Planmetrics Inc.	•	•	•	•	•	•	•	•	•	•	•	•		•
Planning & Control Inc.			*											

<sup>★ =</sup> Headquarters

Plus Computer Technology	MIDDLE ATLANTIC FAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Plansmith Corporation Players Computer Player Computer Plus Computer Technology Plycom Services Point 4 Data Corp. Poise Company Inc. Police Data Systems Police Data Systems Policy Management Systems (PMS) Polymorphic Computer Systems Poorman-Douglas Corporation Potomac Scheduling Company Practical Management Consulting, Inc. Prestige Software Analysts, Inc Prestige Software Analysts, Inc Price Waterhouse & Co. Prime Factors Princeton Software Co. Prime Factors Princeton Software Co. Prime Factors Profuction Software Co. Processor Innovations Product Group, Inc. Product Group, Inc. Productive Computer Systems Professional Billing Corporation Professional Computer Solutions Inc. Professional Computer Solutions Inc. Professional Computer Solutions Inc. Professional Computer Systems Professional Computer Systems Professional Computer Systems Professional Computer Systems Professional Data Services Professional Data Services Professional Health Research Professional Hospital Services Professional Hospital Services Professional Systems Corporation Profismatics Inc.	+	+				$\vdash$	+	•	•	•	•
Players Computer	*	-	$\vdash$	$\vdash$			$\vdash$	$\vdash$	$\vdash$		
Plus Computer Technology	*							$\vdash$			
Plycom Services Point 4 Data Corp. Poise Company Inc. Police Data Systems Police Data Systems Police Data Systems Police Data Systems Polymorphic Computer Systems Porman-Douglas Corporation Potomac Scheduling Company Practical Management Consulting, Inc. Precision Visuals, Inc. Precision Visuals, Inc. Precision Visuals, Inc. Price Waterhouse & Co. Prime Factors Prince Waterhouse & Co. Prime Factors Princeton Software Co, The Pritsker & Associates, Inc. Processor Innovations Product Group, Inc. Product Group, Inc. Productive Computer Systems Professional Billing Corporation Professional Computer Solutions Inc. Professional Computer Solutions Inc. Professional Computer Systems Professional Computer Systems Professional Computer Systems Professional Computer Systems Professional Data Services Professional Data Services Professional Health Research Professional Hospital Services Professional Hospital Services Professional Hospital Services Professional Systems Corporation Profimatics Inc.	*	r	1		1				-		
Poise Company Inc.  Police Data Systems  Policy Management Systems (PMS)  Polymorphic Computer Systems  Poorman-Douglas Corporation  Protomas Caheduling Company  Practical Management Consulting, Inc.  Precision Visuals, Inc.  Precision Visuals, Inc.  Price Waterhouse & Co.  Prime Factors  Princeton Software Analysts, Inc  Price Waterhouse & Co.  Prime Factors  Princeton Software Co, The  Pritsker & Associates, Inc.  Product Group, Inc.  Product Group, Inc.  Product Group, Inc.  Profuctive Computer Systems  Professional Billing Corporation  Professional Computer Solutions Inc.  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Data Services  Professional Data Services  Professional Health Research  Professional Hospital Services  Professional Hospital Services  Professional Systems Corporation  Professional Hospital Services  Professional Systems Corporation  Profismatics Inc.	*			•	$\vdash$				•		_
Poise Company Inc.  Police Data Systems  Policy Management Systems (PMS)  Polymorphic Computer Systems  Poorman-Douglas Corporation  Protomas Caheduling Company  Practical Management Consulting, Inc.  Precision Visuals, Inc.  Precision Visuals, Inc.  Price Waterhouse & Co.  Prime Factors  Princeton Software Analysts, Inc  Price Waterhouse & Co.  Prime Factors  Princeton Software Co, The  Pritsker & Associates, Inc.  Product Group, Inc.  Product Group, Inc.  Product Group, Inc.  Profuctive Computer Systems  Professional Billing Corporation  Professional Computer Solutions Inc.  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Data Services  Professional Data Services  Professional Health Research  Professional Hospital Services  Professional Hospital Services  Professional Systems Corporation  Professional Hospital Services  Professional Systems Corporation  Profismatics Inc.		+		T-				1	$\vdash$		
Policy Management Systems (PMS)	_	_	1	$\vdash$		*	Т	Т	T		
Polymorphic Computer Systems	$\top$		T			T		Г	Т		
Polymorphic Computer Systems	•		*	T		T-			•	•	
Poorman-Douglas Corporation	$\top$	$\top$	$\vdash$	$\vdash$	$\vdash$	*	+-	•	$\vdash$		
Potomac Scheduling Company	$\top$						*				Г
Practical Management Consulting, Inc.  Precision Visuals, Inc.  Pricestige Software Analysts, Inc  Price Waterhouse & Co.  Prime Factors  Princeton Software Co, The  Pristker & Associates, Inc.  Product Group, Inc.  Product Group, Inc.  Profusional Billing Corporation  Professional Computer Systems  Professional Computer Resources, Inc.  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Computer Systems  Professional Data Services  Professional Data Services  Professional Health Research  Professional Hospital Services  Professional Hospital Services  Professional Hospital Services  Professional Systems Corporation	_	-	*	_	1	1	1	T		-	
Prestige Software Analysts, Inc Price Waterhouse & Co. Prime Factors Prince Tool Software Co, The Printes Associates, Inc. Processor Innovations Prodigy Systems Inc. Product Group, Inc. Product Group, Inc. Profusional Billing Corporation Professional Computer Solutions Inc. Professional Computer Resources, Inc. Professional Computer Solutions Inc. Professional Computer Solutions Inc. Professional Health Research Professional Health Research Professional Hospital Services Professional Hospital Services Professional Hospital Services Professional Systems Professional Hospital Services Professional Systems Professional Systems Professional Systems Professional Systems Professional Hospital Services Professional Systems Corporation Profimatics Inc.	*	r	Т		$\vdash$		$\vdash$	Т	Т		
Price Waterhouse & Co.  Prime Factors  Princeton Software Co, The  Pritsker & Associates, Inc.  Prodigy Systems Inc.  Product Group, Inc.  Product Group, Inc.  Profusional Billing Corporation  Professional Computer Solutions Inc.  Professional Computer Resources, Inc.  Professional Computer Systems  Professional Computer Systems  Professional Computer Services  Professional Computer Services  Professional Computer Systems  Professional Heapth Resources, Inc.  Professional Heapth Resources, Inc.  Professional Data Systems  Professional Heapth Research  Professional Hospital Services  Professional Hospital Services  Professional Systems Orporation  Professional Systems Corporation  Profismatics Inc.			Т			$\Box$	Т				•
Prime Factors         ●           Princeton Software Co, The         1           Pritisker & Associates, Inc.         ●           Processor Innovations         ●           Product Group, Inc.         ●           Product Group, Inc.         ●           Profuctor Computer Systems         ●           Professional Billing Corporation         ●           Professional Computer Sevices, Inc.         ●           Professional Computer Services         ●           Professional Computer Systems         ●           Professional Computer Systems         ●           Professional Data Services         ●           Professional Data Services         ●           Professional Hashth Research         ●           Professional Hospital Services         ●           Professional Systems Corporation         ●           Profimatics Inc.         ●	*		Т		$\vdash$		1	T	T		Г
Princeton Software Co, The         1           Pritsker & Associates, Inc.         0           Processor Innovations         0           Prodigy Systems Inc.         1           Product Group, Inc.         1           Profusional Billing Corporation         0           Professional Computer Solutions Inc.         0           Professional Computer Resources, Inc.         0           Professional Computer Systems         0           Professional Computer Systems         0           Professional Data Evrices         0           Professional Data Services         0           Professional Health Research         0           Professional Hospital Services         0           Professional Systems Corporation         0           Profimatics Inc.         0	*	$\top$	T				$\vdash$		T		
Pritsker & Associates, Inc.         •           Processor Innovations         •           Prodigy Systems Inc.         •           Product Group, Inc.         •           Productive Computer Systems         •           Professional Billing Corporation         •           Professional Computer Solutions Inc.         •           Professional Computer Resources, Inc.         •           Professional Computer Systems         •           Professional Computer Systems         •           Professional Data Services         •           Professional Data Systems         •           Professional Hospital Services         •           Professional Hospital Services         •           Professional Systems Corporation         •           Profimatics Inc.         •	$\top$	$\top$					*		$\vdash$		
Processor Innovations	*			_	T	$\vdash$		T	Т		
Prodigy Systems Inc.         ■ 1           Product Group, Inc.         ■ 7           Productive Computer Systems         ■ 1           Professional Billing Corporation         ■ 0           Professional Computer Solutions Inc.         ■ 0           Professional Computer Resources, Inc.         ■ 0           Professional Computer Services         ■ 0           Professional Computer Systems         ■ 0           Professional Data Services         ■ 0           Professional Data Systems         ■ ★           Professional Health Research         ■ 7           Professional Hospital Services         ■ 0           Professional Systems Corporation         ■ 7           Profimatics Inc.         ■ 1	*	r	Т	$\vdash$	1	1	$\vdash$	•	$\vdash$		
Product Group, Inc.	*	+-	T					•		•	
Productive Computer Systems	*		Т	T	T	Т	$\vdash$	Т	$\vdash$		_
Professional Billing Corporation  Professional Computer Solutions Inc.  Professional Computer Resources, Inc.  Professional Computer Services  Professional Computer Systems  Professional Data Services  Professional Data Services  Professional Data Systems  Professional Health Research  Professional Hospital Services  Professional Systems Groporation  Professional Osystems Orporation	*			$\vdash$	$\vdash$	_		•	$\vdash$	_	•
Professional Computer Solutions Inc.	*	r	Т	$\vdash$		$\vdash$	Т				
Professional Computer Resources, Inc.         ●           Professional Computer Services         ●           Professional Computer Systems         ●           Professional Data Services         ●           Professional Data Systems         ◆           Professional Health Research         ●           Professional Hospital Services         ●           Professional Systems Corporation         ●           Profimatics Inc.         ●			*	•	$\vdash$		T	Т	T		_
Professional Computer Services         ●           Professional Computer Systems         ●           Professional Data Services         ●           Professional Data Systems         ★           Professional Health Research         Professional Hospital Services           Professional Systems Corporation         ●           Professional Systems Corporation         ●           Profimatics Inc.         ●			*			•	•	_			
Professional Computer Systems         ●           Professional Data Services         ●           Professional Data Systems         ★           Professional Health Research         Frofessional Hospital Services           Professional Systems Corporation         ●           Profimatics Inc.         ●	*	r						•	•		
Professional Data Services         ●           Professional Data Systems         ◆ ★           Professional Health Research         ●           Professional Hospital Services         ●           Professional Systems Corporation         ●           Profimatics Inc.         ●		1					•	•			•
Professional Data Systems         ★           Professional Health Research         +           Professional Hospital Services         ●           Professional Systems Corporation         ●           Profimatics Inc.         ●					*						
Professional Health Research	*	r									
Professional Hospital Services         • • • • • • • • • • • • • • • • • • •											
Professional Systems Corporation Profimatics Inc.							*				
Profimatics Inc.	•		•		•		•				
	*										
							•	•	•	•	•
	*								T-		
Profit Group, The Profitool, Inc.	*	r						•		•	

<sup>★ =</sup> Headquarters

GEOGRAPHIC								,					
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE
Program Control Corporation	$\vdash$				-	4				*			4
Program Design Inc.		*	-	$\rightarrow$	-	-	-	-	$\dashv$	*	•	-	-
Program Systems, Inc	-	~	-		-		*			-	_		-
Programmed Control Corporation	-	•	*		-		×			-	•	•	-
Programs & Analysis, Inc.	-	*	*		-	•			-	_	_	-	-
Project Software & Development, Inc.	-	*			-	-					•		-
Proprietary Computer Systems, Inc.	-	*			$\dashv$	-	_	-	$\dashv$	•	8	•	+
Proprietary Software Systems, Inc.	-	-	_		$\dashv$	-			-	-	H	•	•
Proximity Devices Corporation	-	-	_	-	-	*			-	•	•	$\dashv$	•
Pryor Corporation	-		-	*	•	*	-		-	-	-	-	-+
Psych Systems, Inc				*	•				_			-	-
Pugh-Roberts Associates, Inc.	1-				-	*					_	_	_
Pulsar Systems Inc	•	*			$\dashv$		_		_		•	•	•
Puter Associates	•	-	*	$\vdash$	_				_	_	_	_	_
Ometrics, Inc.	•	*	_		_	-			_	_	_	_	_
QUAD Corporation	•		*		_	_			_	_			_
Quadra Systems	•	-	_	*	-	-	_			_	•	-	-
Quadra Systems Quadrex Corporation	•	_		$\Box$	_	_	•	*	_	_		_	_
	•	_			_				_	_	•	_	
Quadstar Corporation	•	•	•		_	_		•	_	_	•		
Quality Systems	•			*	_					_	•	•	
Quanta Data Processing Inc.	•	_						*	_	_			
QuanTeckna Research Corp	•									•	•	•	•
Quantitative Software Management, Inc.	•					*							
Quantum Computer Services	•	•	*										
Quark Engineering									*				
Quasar Systems Inc.	•									•	•	•	•
Quest, Inc.	•									•	•		•
Quic-N-Easi Products, Inc.	•		*								•	•	•
Quill-Tronic Systems	•	*											
Quodata Corporation	•	*									•	•	•
Quotron Systems Inc.	•									•			
R.A.I.R.	•									•			
R.D.P. Computer Services	•							•	*	•			
RAI Business Systems Inc	•		*								•		
RDA, Inc.	•	•	•	•	•	*	•	•	•	•	•		
RLG Corporation	•					*					•		•
ROI Consulting Inc.		•	•	•	•	•	•	•	•	•			

 $<sup>\</sup>star = Headquarters$ 

COMPANY NAME	GEOGRAPHIC MARKETS	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
RTC Systems, Inc			*												П
RTR Software		•										•	•	•	•
RWB Associates		•									•				
Racal-Redac, Inc.		•	*												
Rand Information Systems, Inc.		•									•	•			
Rand Systems Corp					•								Г		
Randolph Technical Services, Inc.		•	*										Г	_	
Rapid Data Inc.		•									*				
Rapidata, Inc.				*											
Rath & Strong Software			•												
Rath & Strong Systems Products, Inc		•							*			•	Г	•	
Rational Data Systems (RDS)		•		*						_		•	•	•	•
Raven Systems and Research, Inc.		•	Г				*								
Raxco Inc.		•	•	•	•	•	*	•	•		•	•	•	•	
Reader's Digest Services				•											
Ready Data Service Inc.		•		*								Г			
Real Estate Data		•					*								
Real Time Services		•			*										
Reality Software Company		•						_			•	•	•	•	•
Realtron Corporation		•	•	•	*	•	•	•	•	•	•	Г			
REAP Inc.		•	*												
REC-CHEK, Inc.		•				*						•	•		
Redshaw Inc.		•		*								•	•		
Rehab Group Inc.		•					*								
Relational Database Systems, Inc		•										•	•	•	
Relational Software Inc.		•									•	•			
Relational Technology, Inc.		•									•				
Reliable Data Service											*				
Remote Computing Corporation		•													
Rendeck Corporation		•	•								•	•			
Republic Airlines, Inc						•									
Republic Service Bureau Inc		•									*				
Republic Technology Corp Systems Divi	ision	•			*							•			•
				*											
Resource Software International, Inc.		_	_			-	-	-	_	-		-	_		_
Resource Software International, Inc. Response of Hawaii, Inc. Response Technology Inc.		•									*				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS				1	-									
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Retail Merchandising Service	•	H			-	-		Н	_		Н	_	H	-
Reuters North America		-	*			_		-		*	Н		-	H
Reveal Software. Inc	-	-			-	_	_	-	_		-	_	_	-
Revere Technology	•		_		-	-	*	-		_				H
Reynolds & Reynolds Company, The	-			*	-		*				•	•		H
Rhintek, Inc.	•		-	*	-	*	_			_				_
ROCI, Inc.		-	-	-	$\dashv$	*	_		_		•	•		•
Rockford Research Inc	-	•	Н	-	$\dashv$		-		*	-				-
Rocliff Associates, Inc.	•	_	Н	*	-	-	-	_				_		L
Rodin Industries, Inc.	-	-		*	-		-			_	-	_		_
Roshell Ivri Software Company			*		$\dashv$				_	_				_
Ross Systems Inc.		Н	×		-	-	-	_	_	_		_	_	_
Ross, Robert H. and Company Inc	H					-	_	_	_	•	•	_	•	•
Rothenberg Information Systems Inc.	H	-	*	-	$\dashv$		-		_	_	$\dashv$	_		_
Rubel, Andrew & Associates	H	*		-	-	-	-		_	•		_		
Ryan-McFarland Corp.	H	*		-	-	$\dashv$	-	-	_	_	•	•	•	•
S.D.I.	6	_		-	-	-	-	-	_	•		-		_
S-Tek Computer Services, Inc.		-		-	-	_	_	-		•	•			
SAB, Inc.	•	-		*	-	_	_	-	_					
SAI Systems Associates			*					_			-	_	_	_
SAS Institute, Inc.		•	•	•	•	*	•	•	•	•	_	_	_	_
SBD Computer Services	•	•	•	•	•	*	•	•	•	•	•			
SD Transport Services, Inc	•	_	$\perp$		_	*	_	_	_	_				
SDK Medical Computer Services Corporation				-	•	_	_	_		_	_	-		_
SDPS	•	*	•	_	_	-	_	_	_	_	_			
SEI Corporation	•	•	*	•	•	_			_		_			_
SEI Information Technology	•	•	*	•	-	_	•	•	_	•	•	_		
SESA Inc.	•		_	*	_	_	_	_	_	_	•	_	•	•
SESA-Honeywell Communication, Inc.		*		_	_	_		_	_	_	4	_		
SIC Systems Inc.		_	_	_	_	*	_	_	_	_	_	_		_
SJV Data Service Inc.	•	_					-				•		•	•
SPSS, Inc.	•													
SREA Market Data Center Inc	•	•	•	*	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	*				
SRS Programming Reserve Inc.	•	_	*			_	_	_		_	4	_		
SST, Inc. STS, Inc.	•			*		_								
STSC, Inc.	•	•	•	•	•	*	•	•		•				

<sup>★ =</sup> Headquarters

Sachs/Freeman Associates Inc.  Saddlebrook Corporation  SAFECO Title Insurance  Safeguard Business Systems, Inc.  Sage Data Inc.  Sage Data Inc.  Sage Systems Inc.  Satellite Computing, Inc.  Satellite Computing, Inc.  Satellite Software International(SSI)  **  **  **  **  **  **  **  **  **	MIDDLE ATLANTIC	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Saddlebrook Corporation  SAFECO Title Insurance Safecom Inc.  Safeguard Business Systems, Inc.  Sage Data Inc.  Sage Systems Inc.  Satellite Computing, Inc.  Satellite Software International(SSI)  **  Saturn Software Inc.  Saturn Software, Inc.  Saturn Software, Inc.  Saturn Software, Inc.  Savings Management Computer Corporation  **  Sazings Management Computer Corporation  Sazings Associates Inc  Scheduling Corporation of America  Scheduling Corporation of America  Schultz Instruments Inc.  Schultz Instruments Inc.  Science Applications, Inc.  Science Applications, Inc.  Science Management Corporation  Science Management Corporation  Science Management Corporation  Scientific Information Retrieval, Inc.  Scientific Forcess & Research  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Industry Automation Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Science Management Corporation  Science Management Corporation  Science Management Corporation  Science Management Management Managem			01					ì			
SAFECO Title Insurance			*								
Safecom Inc.         ●           Safeguard Business Systems, Inc.         ●           Sage Data Inc.         ●           Sage Data Inc.         ●           Sage Systems Inc.         ●           Satellite Computing, Inc.         ●           Satellite Software International(SSI)         ★           Saturn Software Inc.         ●           Saturn Systems, Inc.         ●           Saunders Software, Inc.         ●           Savings Management Computer Corporation         ★           Saztec         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation of America         ●         ●           Science Applications, Inc.         ●         ●           Science Applications, Inc.         ●         ●           Scientific Popularies Corporation         ●         ●           Scientific Popularies Inc.         ●         ●           Scientific Process & Research         ●         Scientific Software Corporation           Scientific Software Corporation         ●         ●											
Safeguard Business Systems, Inc.  Sage Data Inc.  Sage Systems Inc.  Satellite Computing, Inc.  Satellite Software International(SSI)  **Saturn Software Inc.  Saturn Software Inc.  Saturn Software, Inc.  Saturn Software, Inc.  Savings Management Computer Corporation  **Sazings Management Computer Corporation  Scheduling Corporation of America  Scheduling Corporation of America  Schulstad, Myers & Associates Inc  Schultz Instruments Inc.  Science Applications, Inc.  Science Applications, Inc.  Science Management Corporation  Science Dynamics Corporation  Scientific Information Retrieval, Inc.  Scientific Formation Retrieval, Inc.  Scientific Foress & Research  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  The Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software Corporation  Scientific Software C	•	•	•	•	•	•	•				
Sage Data Inc.         ■         1           Sage Systems Inc.         ■         Satellite Computing, Inc.         ■           Satellite Software International(SSI)         ■         ★           Saturn Software Inc.         ■         ■           Saturn Systems, Inc.         ■         ■           Savings Management Computer Corporation         ■         ★           Savings Management Computer Corporation         ■         ★           Scheduling Corporation of America         ●         ●         ◆           Schultz Instruments Inc.         ●         ●         ◆           Schultz Instruments Inc.         ●         ●         ◆         ◆           Science Applications, Inc.         ●         ●         ●         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ●         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆         ◆							•	•			
Sage Systems Inc.         ●           Satellite Computing, Inc.         ●           Satellite Software International(SSI)         ◆           Saturn Software Inc.         ●           Saturn Systems, Inc.         ●           Saunders Software, Inc.         ●           Savings Management Computer Corporation         ◆           Saztec         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation of America         ●         ●           Scheduling Corporation science Applications, Inc.         ●         ●           Science Dynamics Corporation         ●         ●           Science Management Corporation         ●         ●           Scientific Computers Inc.         ●         ●           Scientific Information Retrieval, Inc.         ●         ●           Scientific Process & Research         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●			•	•	•		•	•	•	•	
Satellite Computing, Inc.	*							•	•		
Satellite Software International(SSI)         ★           Saturn Software Inc.         ●           Saturn Systems, Inc.         ●           Saunders Software, Inc.         ●           Savings Management Computer Corporation         ★           Saziec         ●         ●           Scheduling Corporation of America         ●         ●           Schulstad, Myers & Associates Inc         ●         ●           Schultz Instruments Inc.         ●         ●           Science Applications, Inc.         ●         ●           Science Dynamics Corporation         ●         ●           Scientific Footmation Retrieval, Inc.         ●         ●           Scientific Footware Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation         ●         ●           Scientific Software Corporation								•	•	•	•
Saturn Software Inc.  Saturn Systems, Inc.  Savings Management Computer Corporation  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{			*								
Saturn Systems, Inc.  Saunders Software, Inc.  Saunigs Management Computer Corporation  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\frac{\pmaths}{\pmaths}\$  \$\pmaths								•		•	
Saunders Software, Inc.  Savings Management Computer Corporation  \$\frac{\pi}{\pi}\$ saztec  Scheduling Corporation of America  Schultstad, Myers & Associates Inc  Schultst Instruments Inc.  Science Applications, Inc.  Science Dynamics Corporation  Science Dynamics Corporation  Science Omputers Inc.  Scientific Computers Inc.  Scientific Information Retrieval, Inc.  Scientific Frocess & Research  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Services  Javintic Systems  Scallat Computer Service  Javintic Industry Automation Corporation  Scientific Systems  Scallat Computer Service  Scallat Computer Service  Javintic Industry Automation Corporation  Scientific Systems  Scallat Services, Inc.  Scalak J. P. Associates  Scallitz Enterprises, Inc.  Science Deta, Inc.  Seiscom Delta, Inc.  Seisdadat Services, Inc  Seisdadat Services, Inc  Seisdang Service Corp.											
Savings Management Computer Corporation		*						•	•	•	•
Saztee  Scheduling Corporation of America Schulstad, Myers & Associates Inc Schulstad, Myers & Associates Inc Schultz Instruments Inc. Science Applications, Inc. Science Applications, Inc. Science Dynamics Corporation Science Management Corporation Science Management Corporation Scientific Information Retrieval, Inc. Scientific Foroess & Research Scientific Process & Research Scientific Software Corporation Scientific Software Corporation Scientific Software Corporation Scientific Systems Services Inc Scalist Computer Service Jurities Industry Automation Corporation Scalist Computer Service Jurities Industry Automation Corporation Scalak, J.P. Associates Scalikz Enterprises, Inc. Science Delta, Inc. Science Applications Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Scie		*									
Scheduling Corporation of America  Schulstad, Myers & Associates Inc  Schultz Instruments Inc.  Science Applications, Inc.  Science Dynamics Corporation  Science Dynamics Corporation  Science Management Corporation  Scientific Computers Inc.  Scientific Information Retrieval, Inc.  Scientific Frocess & Research  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Services Inc  Scientific Systems Service  Jurities Industry Automation Corporation  Scientific Systems  Scalia Computer Service  Jurities Industry Automation Corporation  Scientific Systems  Scallak, J.P. Associates  Scallitz Enterprises, Inc.  Sciecom Delta, Inc.  Seiscom Delta, Inc.											
Schulstad, Myers & Associates Inc	•	•	•	•	•	•	•				
Schultz Instruments Inc.  Science Applications, Inc.  Science Applications, Inc.  Science Dynamics Corporation  Science Management Corporation  Scientific Information Retrieval, Inc.  Scientific Process & Research  Scientific Process & Research  Scientific Process & Research  Scientific Process & Research  Scientific Process & Research  Scientific Software Corporation  Scientific Systems Services Inc  Scully Data Systems  **  Scalirst Computer Service  Jurities Industry Automation Corporation  Scaliak J.P. Associates  Scellak, J.P. Associates  Scellitz Enterprises, Inc.  Sciscon Delta, Inc.  Sciscon Delta, Inc.  Leismograph Service Corp.	0 *	k   0	•	•	•	•	•	•	•		
Science Applications, Inc.											
Science Dynamics Corporation	•		*								
Science Management Corporation							•				
Scientific Computers Inc.							•				
Scientific Information Retrieval, Inc.	*							•			
Scientific Process & Research		*									
Scientific Software Corporation								•	•	•	•
Scientific Systems Services Inc	*		П					•	•	•	•
*								•			
Seafirst Computer Service  "urities Industry Automation Corporation  Sedalia Computer Services, Inc.  Sedalia Computer Services, Inc.  Sedilat Enterprises, Inc.  Selscom Delta, Inc.  sessodata Services, Inc  seismograph Service Corp.	• •	•	*					•	•		•
urities Industry Automation Corporation  Sedalia Computer Services, Inc.  Sedalia Computer Services, Inc.  Sedilitz Enterprises, Inc.  Selicom Delta, Inc.  seisdata Services, Inc  seisdata Services, Inc  seismograph Service Corp.											
Sedalia Computer Services, Inc.  Sedalia, J.P. Associates  Sedilitz Enterprises, Inc.  Seiscon Delta, Inc.  seisdata Services, Inc  issangraph Service Corp.							•				
Sedlak, J.P. Associates  Sedlitz Enterprises, Inc. Seiscom Delta, Inc.  endata Services, Inc  cismograph Service Corp.	*										
Sedlitz Enterprises, Inc.  Seiscom Delta, Inc.  susdata Services, Inc  eismograph Service Corp.		*									
Seiscom Delta, Inc.  betsdata Services, Inc  clismograph Service Corp.	*										
betsdata Services, Inc  betsmograph Service Corp.	•		*								
Seismograph Service Corp.					*						
				•	*	•	•				
					*			•			
Sentry Data Inc	*	r									
Sercon Corporation				•	*			•	•	•	•

<sup>\* =</sup> Headquarters

GEOGRAPHIC MARKETS	S.	LAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	RTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	Z		T.T			
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE /	EAST NO	WEST NO	SOUTHA	EAST SOU	WEST SO	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Service Software Inc.	•	Н	*					_			Н	-	Н	
Shaker Computer and Management Services		$\vdash$	*					-		-	Н	-	Н	
Shales & Young Information Systems, Inc	•		-		_					-	-	-		
Shared Medical Systems Corporation	•				-			-		-		-		
Sharp, I.P. Associates Ltd		-			-						•	*	•	•
Shasta General Systems			•	•	•	•	•	•	•	•	•	<u> </u>	Ħ	
Shaw Data Services, Inc.		•	*	•	•	•	•	•	•	•	Ĕ		-	_
Shaw Systems Associates Inc		Ť	Ĥ	Ť	_		_	*	Ŭ	-		_		
Shawmut Bank of Boston, NA Computer Services Dept.	•	*	-	Н	-			-		_				-
Shear Development Corporation	•	*						-	Н	_		-		
Shriver, R., Associates	•	Ĥ	*		-	Н	-		Н	-	•	•	•	-
Shuford Data Services	•	Н	Ĥ	Н	-	*	-	_		_	=		-	
Siegel Software Services	•	Н	$\vdash$					_	-	•	•		•	
Sigma Research Associates	•	$\vdash$					-		-	•	Ĕ		-	
Sigma Software, Inc	•					-	Н		Н	Ť	•	-		-
Silicon Valley Systems Inc.	Ť	-	-				-	-	Н	•	Ĕ			_
Silton Data		$\vdash$	-		-		H	-		•	Н			_
Simcon Inc.	•		-						-	-	Н			_
SIMPLAN Systems Inc (SSI)	•					*	Н	-				•	•	
Simple Soft Inc	•			•		Ĥ	Н				H		•	•
Simulation Sciences	•	Н		ŭ		-	Н			*	H			_
Sipos, Andrew	•	-	*				-	_		*	=	-		-
Sistemas Inc.		Н	*		-	*	-	_	-	_	-			_
Small Business Data Processing Corporation		Н			-	_	-	_			Н		$\vdash$	_
Small Business Machines, Inc.	•	•	*		-		-	-	-	•	•	•	•	_
Small Business Mangagement Systems Inc	•	-	*	-	-	-		-		_	H	_	•	_
Small Business Systems Group		*	*		_		$\vdash$		Н	-	H	•	-	
Small System Software	•	_			-		Н		-	•	Ħ			_
Smart, Inc	•	*				Н	$\vdash$				=	-		_
SMITES Group		•	•	*	•		•	•		•				_
Smith Data Processing	-	H		•	-	*	H	•	•	3				
Smith, A.O. Data Systems Division	-			_	-			_	-					_
Smith, C.D. Company	-				-				*		-	-		-
Smith, Dennis & Gaylord										•	•		•	-
Smith, G.A., Inc.	•	•	•	•	•	•	•	•	•	*	-		_	-
Smyth Business Systems	•			-	-	-	-	_		^				-
Social Systems, Inc. (SSI)						*	-				•	•	•	•

GEOGRAPHIC MARKETS				ΑL	SAL		ΑL	tAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Soft Pro Systems, Inc	$\top$									•		Г		
SofTech Microsystems Inc											•		•	
SofTech, Inc.	•										•		•	•
Softlink										•				
Softmatics Corporation		•												
Softool Corporation		Г								•	•		•	
Softsel Computer Products, Inc										•	•			
SOFTWARE '70										*	•			
Software Ag of North America, Inc.						*					•	•		•
Software Authority, The		•	•			•		•	•	•				Г
Software Clearing House, The				*	Г	Г	Г				•	•		
Software Connections, Inc				Г						•	•			
Software Consulting Services			*									•	•	
Software Design Associates, Inc.	•		*								•			
Software Development and Maintenance, Inc.						*								
Software Dynamics	•									•	•		•	•
Software House		*	•		•	•			•	•	•	•	•	
Software Info Services Inc										•				
Software International Corp.	•	•	•		•	•		•		•	•			
Software Management Systems		Π						П	*		•	•		Г
Software Module Marketing		Г	П	Г			П	Г	П	•	•	•	•	•
Software Plus, Inc			•	•	•	•		•	•	•	•	•	•	
Software Publishing Corporation										•	•	•		•
Software Pursuits, Inc.		Г							Г		•			
Software Research Corp.		*	Г		T	Г	Г	T		Γ				Г
Software Resources		Г	Г					*			•			Г
Software Shoppe, The		Г			Γ	Γ	Г				•	•		
Software Solutions Inc.				*										
Software Solutions, Inc.			*											
Software Store Ltd.				*							•		•	
Software Systems Associates	•	•	•	•	•	*	•	•	•	•				
Software Works Inc.	•									*	•	•	•	•
Softworks, Inc.	•					*					•	•	•	
Solar Data Services Ltd.											•	*		
Sophisticated Data Research, Inc.	•					*					•		•	•
Sorcim Corporation		•	•		•	•	•	•	•	•	•	•	•	
SOTA Computer Systems														Т

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS					J			,						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
	Ĺ											Ĺ		_
Source Data Systems, Inc.	•	_			*					_				L
Source Data, Inc	•					*								L
Source Telecomputing Corp.	•					*			_	_	•	•		_
South Hills Computer Center Inc.	•		*											_
Southern Computer Systems, Inc.	•	_				*			L	L.				L
Southwest Modular Systems, Inc.								*	_	_	_			L
Southwestern Computer Services	•	_	_					_	*	<u> </u>	_	_		_
Southwestern Computing Service								*			L			_
Space Age Computation Systems	•	_	*						_					_
Space Age Computers Inc.	•					*					_	_		_
SPAN Management Systems	•	*							_		_			_
Specialized Computer Services Inc.	•	<u> </u>		_	*	L	_	_		_		_		_
Specialized Computer Services Inc.	•	_	_			L_			•	•		L		_
Specialty Automated Services	•	_	_					_	*	_	_	_	Ш	L
Specialty Computer Services Inc.	•	_	_		*	_	_			_	•	•		_
Spectra Medical Systems, Inc.	•	_	_			_			_	•	•			_
Spectron Corporation	•	_	_					*		_				_
Spectrum International Inc.	•									•	•	•	•	•
Sperry Univac	•	_	*			_	_	_	_		•	_		L
Spickler Bookkeeping and Accounting Service	•	_		*	_	_		_	_	_		_		L
Spiridellis & Associates, Inc.	•	•	*			<u>_</u>	_	•			_	_		L
Sports Data Inc.	•	•	•	•	•	•	•	•	•	•		_		L
Squire, Buresh Associates Inc	_	*	_		_						L	_		L
St. Joseph Bank & Trust Company-Trust Software Div.	•			*	_				_		L	<u> </u>		L
St. Joseph Systems	•			_						_	_	_		L
Standard & Poor's Compustat Services Inc.	•								*		_	_		L
Standard Systems, Inc.	•	*			_									L
Stanford Engineering Corp.		_	_	-	_		_	_		•	_	_		L
Star Computer Systems Inc										•	-	_		L
State of the Art Inc	•									•		•	•	L
Statement Service Company	•	-	-			_	-	_	_	*	-	_		L
Statistical Financial Systems	•	-	-	*							-	_		L
Statistical Tabulating Corporation	•			*	-	_	_	-	_	_	-	_	_	-
Stephens-Nelson Computer Center	•		-				-	-	_	•	_	_		L
Sterling Software, Inc. Sterling Systems	•							*			1			L
				1						1				

	GEOGRAPHIC MARKETS				,	را			دا						
COMPANY NAME	MARAETS	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Stonehenge Computer Systems, Inc.		•		*			-	-	_			Н	H		
Stoner Associates, Inc.		•	-	*						-	-	•	•	•	
Stoneware, Inc			$\vdash$	Ĥ	$\vdash$		$\vdash$	-			•	•	•	•	•
Strategic Information		•	*						-	-	-		-	-	•
Strategic Office Systems		•	<u> </u>	-	-			-			*	Ť	Ť	Ť	-
Strategic Planning Associates		Ť	*	-	-	-	-	$\vdash$		$\vdash$	Ĥ	Н	Н	-	-
Structural Members Users Group		•	<u> </u>	$\vdash$	-	-	-	-	-	$\vdash$		•	•	•	
Structural Programming Inc.			*			$\vdash$	-	-	_	-	-	•	•	ŭ	-
Structured Methods, Inc.			Ĥ	*	$\vdash$	_	_	-		-	Н	ř	ř	-	⊢
Structured Systems Group, Inc.		•	$\vdash$	<u> </u>		-	H	-	-	-	•	•		•	
Sullins & Associates		•	$\vdash$	-	-	-	-		*	-	-	ř	_	Ť	-
Summagraphics Corporation		•	-	-	$\vdash$	-	-	-	^			•	$\vdash$		-
Sun Information Services Company		•	•	*	•	•	•	•	•	•	•	Ť	$\vdash$	$\vdash$	-
Sunbelt Computer Services		•	Ť	Ĥ	•	-	_	•	*	•	•	Н	$\vdash$		$\vdash$
Superior Data Processing Service		•		-	Ť		_	Ť	<u> </u>	Ť	*	Н	-	$\vdash$	$\vdash$
Superset Inc.		•	-		-				-	-		Н		_	$\vdash$
Survey Tabulation Services Inc.		•	-	$\vdash$	$\vdash$			-	$\vdash$	$\vdash$	Ť			_	$\vdash$
Swiss Colony Data Center, Inc.		•		$\vdash$	*			$\vdash$	-	-		Н	Н	_	$\vdash$
Sycom		•	_	_	*			-						_	-
Syncsort Inc.		•		*	_			-			-	•			
Synectics Corporation		•		•			•	-		_		_			$\vdash$
Synercom Technology, Inc.		-	-	Ť		-	_		Н			•	-		H
Synergetics Corporation			*		-			-	Н				•	•	•
Sysco Inc.		•	_	*			-	-					_	_	-
Syscom, Inc.		ä		<u> </u>		-			_	-		-			-
SYSCON Corporation		ě		_			*								_
Sysorex International Inc.		Ť					_			-	*	-		-	_
Systar Corporation		•					-		-		*	•	•		
Systech Inc.		6			*	Н				-	<u> </u>	=	-	-	-
System Automation Corporation		H		-	^									-	-
System Communication Corp		ä							*						-
System Development Corporation		-	•	•	•	•	•	•	•	•	•	•		•	-
System Science & Software (S3)		6		Ť	Ť		Ħ	Ť	Ť	Ĭ	*			_	
System Support Software, Inc.		•			*			-				•		•	•
System-Kontakt, Inc.		Ħ	*		~									_	-
Systematics, Inc.		6	Α.	•	•	•			*	•	•				-
Systemation, Inc.		H	-	_	*			-	_	_	_				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS														
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Systemhouse Ltd.	•	H								-	•	•	+	
Systems & Consulting Services Inc.		*			-			$\vdash$			-		-	-
Systems & Software, Inc.	•	*					-					-	-	-
Systems and Applied Sciences Corporation (SASC)	1	r				*							-	-
Systems and Computer Technology Corporation	•	•	*	•	•	•	•	•	•	•	•	•	-	•
Systems and Programming International Inc.	•	-	*	-	-	-	_	-	-	-	=	-	-	•
Systems and Programming Resources Inc.	•	$\vdash$	_	-		-			$\dashv$	-	=	$\vdash$	-	4
Systems and Software Inc.		$\vdash$	Н	$\dashv$	-	$\dashv$		-	$\dashv$	-	•	$\vdash$	-	•
Systems Architects Inc.	-	*	Н	$\dashv$	-	$\dashv$	-	$\dashv$	$\dashv$	_	H	•	•	•
Systems Associates Inc.	•	<u>^</u>	Н	$\dashv$	-	*		-	-		Н	-	-	•
Systems Control Group	-	-	Н		$\dashv$	*	-		-	•	Ų.	-	$\rightarrow$	_
Systems Coordination Inc	•	_	Н	-	-	*	-		$\dashv$	•	•	-	_	_
Systems Data Inc.		-	-	*	-	*	_			-	_	-	-	
Systems Data Processing Corporation		-	-	*	$\dashv$	-	-		-	_	-		-	_
Systems Design & Development Corporation		_	-	-	-	$\dashv$	-	-	_	•			-	_
Systems Engineering Computer Co.		_		-	$\dashv$		-	-	*	_			-	_
Systems Group, The		*		-	$\dashv$	*		_	-	_		_	_	
Systems Integration, Inc.	-			-	-	$\dashv$	_	_		_			-	_
Systems Integration, Inc.	•	•	*			_		-	-	_			-	_
Systems Management Corporation	•	_		_	_	_	_	_	_	•	_		_	_
Systems Management Inc.	•	*	•	_	•	_	_	_	_	_		Ш	4	
Systems Northwest, Inc.	•	•	•	*	•	•	•	•	•	•	•	•	•	•
Systems Plus Inc	•				_			_		*				
Systems Research Incorporated	•			_	_	_	_	_	_		•	•		•
Systems Research Laboratories	•			*	•			_		_				
	•			_	_						•		_	
Systems Software International Inc. (SSI)	•			_	_	*		_			•		•	
Systems Strategies, Inc.	•		*	_	_		_						4	
Systems Support Software, Inc.	_			*	_		_						_	
Systems Technology	•					*					•			
Systonetics, Inc.	•									•	•	•	•	
Systronics Inc. TCP Data Processing Services	•		*		_			_						
TCS Software Inc	•		*	_		_								
	•			_		_					•	•	•	•
TLS Company					*									
TMI Systems Corporation	•	*	•		•					•	•		•	•
TRW Information Services	•							•	•	•				ĺ
TSC	•	*	•	•	•	•	•	•	•	•				

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS  COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Tabershaw Occupational Medicine Association	•	•	•	•	•	•	•	•	•	•	•	•		
Tabs Inc.	•	•	•	•	•	•	•	*	•	•		Г		
Tabulating Services Bureau, Inc.	•	-			*									
Tag Inc.	•									•	•			
Tailored Data, Inc											•	•		
Talisman Security Systems, Inc										•				
Tandem Computers Inc										•	•			
Tandy Corporation	•							*			•			
TASCO	•									•	•		•	
Technalysis Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TechnAssociates, Inc.		•	•	•		*				•				
Technical Advisors Inc.	•			*										Г
Technical Analysis Corporation (TAC)	•	•	•	•	•	*	•	•	•	•	•	•	•	•
Technical Support Associates Inc.	•	•	•	•	•	•	•	•	•	•		Г		
Technical Systems Consultants Inc. (TSC)						*					•	Г	-	
Technicon Data Systems Corporation										•	•			
Technology Development of California	•									•		Г		
Tekkon Computer Services		•	*	•										
Teknekron Financial Systems		•	•	•	•	•	•	•	•	•				Т
Tel-A-Data Inc.	•	_				*	•							Г
Teldata Systems Corporation			*			-								
Tele-Equip					*						•	•	•	
Telecomputing Corporation of America	•	•	•	•	•	*	•	•	•	•	•	•		Т
Telecredit, Inc.		•	•			•		•		•	•	•		•
Telemar Group, Inc.		•	*	•	•	•	•	•	•	•	•	•	•	
Telephone Computing Service, Inc.										*				
Telerate Systems Inc.	•	•	*	•	•	•	•	•	•	•	•		•	
Telesoft		•	•	•	•	•	•	•		•	•			
Telic Services Corporation	•					*					•	•	•	
Telos Computing, Inc.	•	•	•	•	•			•		•				
Telstat Systems, Inc.	•	•	*	•	•	•	•	•	•	•				
TERA Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Terminal Applications Group	•		*											
Terrano & Associates, Inc	•													
													_	
Tesseract Corporation Texas Instruments Inc.	•			•		•				•			L	L

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS		9	NTIC	CENTRAL	CENTRAL	NTIC	CENTRAL	CENTRAL						
COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Theta Computer Systems	•	Т								*		_		_
Thomas National Group, Inc., The			*				_					-		_
Thomas, Laguban & Associates	•										•	•		•
Three PM Inc. (3 PM)			*											Ť
TICKETMASTER Corporation		•	•	•	•	•	•	•	*	•	•		•	-
Ticketron, Inc.		•	•	•	•	•	•	•	•	•	•	•		Ī
Tidelands Data Systems						•	*	•					Н	_
TIM-Formation, Inc.			*											_
Timberline Systems		•	•	•	•	•	•	•	•	•				_
Time Sharing Resources Inc.	•	•		*		•				•				_
Time-Sharing Systems Inc.	•			*				Т			-	$\vdash$		_
Tiny Systems Inc.								*		_	•		Н	•
TOMINY, Inc.				*						_	•			_
Tone Software Corporation	•									•	•	-	•	•
Tosc, International	•							*			•	•	•	•
Total Environmental Systems Computer Division	•			*			Т							_
Touche Ross & Company			*				_	-				$\vdash$		_
Touchette Corporation			*											_
Tower Systems, Inc.		_	$\vdash$							•	•	•	•	•
Trac Line Computer Corp			*			$\vdash$				•	•	•		_
Trail Blazer Systems Inc.						$\vdash$	-			•		$\vdash$		-
Transcomm Data Systems, Inc.		1	*			$\vdash$	_	$\vdash$	_	-	•	•		•
TransUnion Corporation		$\vdash$		*	-	-			_	_	Ė	Ė		
TRES Computer Systems, Inc.	•	$\vdash$				_			-	_	•	•		•
Tri-Star Data Systems		$\vdash$	*						$\vdash$	Н	Ė	Ť		
Triad Systems Corporation		•	•	•	•	•	•	•	•	•		-	Н	_
Triangle Software Company										•	•	•	•	-
Trinco, Inc.		•	•	•	•	•	•	*	•	•	•	•		T
Trionic International, Inc		•												Ī
Triplex Computer Services, Inc.		•	•			•				*				Ī
TronCorp	•				*						•	•	•	4
Trusco Data Systems						*	•				•	•		Ī
Tudor Systems	•	•	•	•	•	*	•	•	•	•				
Turnkey Interactive Management Systems	•										•		•	
Tymshare, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	Ī
U.S. Trust Co. of New York Computer Services Division	•	•	*	•	•	•	•	•	•	•	•	•		Ī
USS Engineers and Consultants, Inc.			*								•	•	•	Ī

<sup>★ =</sup> Headquarters

Ultrich, Walter E. Consulting	GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Unbounded Computing	Ulrich, Walter E. Consulting	•							*						
Universal Data Inc.	Ultradata Corporation			$\overline{}$						$\vdash$	•		$\vdash$		$\vdash$
Unicorn Systems Company	Unbounded Computing									_	*		_		$\dashv$
Union Data Corporation	UNI-COLL Corporation											•	•	•	•
Unique Automation Products  United Computer Service, Inc.  United States Computer Inc.  United States Computer Group  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Univari Inc.  Urban Data Processing  Urban Decision Systems Inc.  Utia Computer Services, Inc. (UCS)  Utility Computing Services, Inc. (UCS)  Utility Computing Services, Inc.  VSE Corporation  VSE Corporation  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems, Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems Inc.  Vantage Computer Systems	Unicorn Systems Company			-							*				-
United Computer Service, Inc.  United Software Corporation  United Software Computers Inc.  United Telecom Computer Group  University Inc.  Universal Data Inc.  Universal Data Systems Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  University Computing Company  University Computing Company  University Software Systems  University Software Systems  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computi	Union Data Corporation	_		*											
United Software Corporation	Unique Automation Products							_			*	•	•	•	$\vdash$
United States Computers Inc.  United Telecom Computer Group  Univair Inc.  Univair Inc.  Universal Data Inc.  Universal Data Systems Inc.  Universal Data Systems Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  University Computing Company  Urban Data Processing  Urban Data Processing  Urban Decision Systems Inc.  Users, Inc.  Utica Computer Services, Inc. (UCS)  Utility Computing Services, Inc. (UCS)  Utility Computing Services, Inc.  VSE Corporation  VSE Corporation  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Vanguard Computer Systems, Inc.  Vanguard Computer Systems, Inc.  Vanguard Computer Systems, Inc.  Vantur Com Inc.  Vantur Com Inc.  Vantur Com Inc.  Vertro Data Systems Inc.  Victora Systems Inc.  Victora Now Associates Inc.  Vichmann, Row Associates  Vichmann, Row Associates  Vichmann, Row Associates  Vichmann, Row Associates  Vichmann, Row Associates  Vining-Sparks Securities, Inc	United Computer Service, Inc.		_		*										-
Universal Data Inc.  Universal Data Inc.  Universal Data Systems Inc.  Universal Information Systems Inc.  Universal Computing Company  University Computing Company  University Software Systems  University Software Systems  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Software Systems  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Company  University Computing Services, Inc.  Users, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Value Computer Systems, Inc.  Val			-			*		-					•		
Univari Inc.	United States Computers Inc.	•	•	•	•	•	•	•	•	•	•				-
Universal Data Inc.  Universal Data Systems Inc.  Universal Information Systems Inc.  Universal Information Systems Inc.  Universal Software Inc.  University Computing Company  University Computing Company  University Software Systems  Urban Data Processing  Urban Data Processing  Urban Decision Systems Inc.  Users, Inc.  Users, Inc.  Utica Computer Services, Inc. (UCS)  Utility Computing Services, Inc.  Utility Computing Services, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users	United Telecom Computer Group											•			
Universal Data Inc.  Universal Data Systems Inc.  Universal Systems Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  Universal Software Inc.  University Computing Company  Urban Data Processing  Urban Decision Systems Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc	Univair Inc.					*						•	•		
Universal Information Systems Inc.  Universal Software Inc.	Universal Data Inc.				*										$\vdash$
Universal Software Inc.  University Computing Company  University Software Systems  Urban Data Processing  Urban Decision Systems Inc.  Users, Inc.  Utica Computer Services, Inc. (UCS)  Utility Computing Services, Inc.  USEN Software, Inc.  USEN Software Inc.  USEN Software Systems Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN Software Inc.  USEN SOFTWARE Inc.  USEN SOFTWARE Inc.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC.  USEN SOFTWARE INC		•	•	•	•	•	•	•	•	•	*	•	•	•	•
University Computing Company  University Software Systems  Urban Data Processing Urban Data Processing Urban Decision Systems Inc.  Users, Inc.  Users, Inc.  Users, Inc.  Users, Inc.  WM Software, Inc  VM Software, Inc  VSE Corporation  VSE Corporation  VSE Computer Systems, Inc.  Vanuage Computer Systems, Inc.  Vanuage Computer Systems, Inc.  Vanuage Computer Systems, Inc.  Vanuage Computer Systems, Inc.  Variety Computing Inc.  Vertro Data Systems Inc.  Vertro Data Systems Inc.  Vertro Data Systems Inc.  Vicker's Associates Inc.  Vickor's Associates Inc.  Vichaman, Row Associates  Vichaman, Row Associates  Vichaman, Row Associates  Vichaman, Row Associates  Vichaman, Row Associates  Vichaman, Row Associates  Vichaman, Row Associates  Vining-Sparks Securities, Inc		•		*											
University Software Systems  Urban Data Processing  **  Urban Decision Systems Inc.  Users, Inc.  Utica Computer Services, Inc. (UCS)  **  Utility Computing Services, Inc.  WS Software, Inc  VSE Corporation  VSE Corporation  VSE Corporation  VSE Corporation  VSE Corporation  Value Computing, Inc.  Vanguard Computer Systems, Inc.  Vanguard Computer Systems, Inc.  Vantage Computer Systems Inc.  Ventur Computer Systems Inc.  Vertur Systems Inc.  Vertur Systems Inc.  Vertur Systems Inc.  Vertur Systems Inc.  Vetrol Data Systems Inc.  Vicker's Associates Inc.  Vickor's Associates Inc.  Vickor's Associates Inc.  Vichaman, Rowe Associates  Vining-Sparks Securities, Inc		•	*									•		•	
Urban Data Processing	University Computing Company	•	•	•	•	•	•	•	*	•	•	•	•	•	
Urban Decision Systems Inc.									*						
Users, Inc.		•	*												
Utility Computer Services, Inc. (UCS)		•									•				
Utility Computing Services, Inc.		•		*	•		•				•				
VM Software, Inc       ●       ★       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●			•	*											
Value Computing, Inc.	Utility Computing Services, Inc.	•							*						
Value Computing, Inc.  Vanguard Computer Systems, Inc.  Ventur-Com Inc.  Ventur-Com Inc.  Vertor Data Systems Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.  Victors Inc.		•										•	•	•	•
Vantaguard Computer Systems, Inc.       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●       ●		•					*								$\neg$
Vantage Computer Systems, Inc.		•		*								•	•	•	•
VenturCom Inc.         ♦ ★         ■         ■         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●										•	•	•			
Vertex Systems Inc.			_	•	•	•	•	•	•	•	•	•	•		
Vetrol Data Systems Inc.         Image: Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o			*									•	•	•	•
Vicker's Associates Inc.         • * * • • • • • • • • • • • • • • • • •				*											
Victorex Inc.					-										
Vidmar, Stanley			•	*	•	•	•	•	•	•	_				
Viehmann, Rowe Associates         *         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>						_					•				
Vining-Sparks Securities, Inc		•		*											
10 10			_										]		
	vining-sparks securities, Inc		_	•	•	•	•	*	•	•					

<sup>★ =</sup> Headquarters

**INPUT** 

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
VisiCorp	•									•	•			
Vista Computer, Inc.	•		*	•				•			•		•	
Vital Computer Services International, Inc.	•	•	*											
Volt Delta Resources Inc.	•		*							•				
Wachovia Services Inc.	•					*								
Wakefield Software Systems Inc. (WSSI)	•	*												
Walker Interactive Products	•									•	•			
Walsh, Richard M., Associates Inc.	•	•	*	•	•	•	•	•	•	•	•	•		
Warner-Eddison Associates, Inc.	•	*									•	•	•	
Warrington Associates Inc.	•				*									
Waters Business Systems, Inc.	•	*												
Watts Computer Services Inc	•								*					
Wayne Computer Center Inc.	•					*								
Weidenhammer Systems Corp.	•													
Weidner Communications	•								*		•	•	•	•
Wells Fargo & Company	•									•				
West Florida Data Processing	•					*								
Western Data Corporation	•									•				
Western Geophysical Company of America	•							*			•			
Western Information Systems	•	_								•				
Western Union Corporation	•		*											
Westinghouse Electronic Systems Division	•										•			
Westinghouse Information Services	•										•			•
Westinghouse Learning Corp.			*						_					
WESTLAW Division	•	•	•	•	*	•	•	•	•	•		_		
Whalen Computer Services, Inc.	•		*								_	_		
White, Bob, Computing and Software Inc.	•			*	•	-	•	•			•	•		
White, Glenn L. Company	•					*					-	-		
White, Robert F. and Company Whiteside Associates, Inc.	•		-	*		*	_				•		-	
Whiteside Associates, Inc. Whitesmiths, Ltd.			*			*					H	-		-
Whittaker Medicus	-		×	*	_		-	-			-	$\vdash$	-	
Williams & Associates		-		×						•	-	-		
Wincl Corporation, The		-	*					-	-	-		$\vdash$		
Wisconsin Physicians Service	•	$\vdash$	-	*		-		-	-	-	-	$\vdash$		
Wismer Associates, Inc.	•	$\vdash$	-	^	-				$\vdash$	•	$\vdash$	$\vdash$	-	-
Woodward, Ryan, Sharp and Davis	-		*	•	•	•	•	•	•	•	•	⊢	$\vdash$	$\vdash$

<sup>★ =</sup> Headquarters

GEOGRAPHIC MARKETS COMPANY NAME	TOTAL U.S.	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAI	MOUNTAIN	PACIFIC	TOTAL INT'L	CANADA	EUROPE	OTHER
Worlco Data Systems	•	•	*	•	•	•	•	•	•	•				
World Computer Corporation				*										
World Research Systems Ltd.										•	•		•	
World Wide Computer Services			*											
Worldwide Chain Store Systems		•	•	*	•	•	•	•	•	•	•			
Worth, Auger & Associates		_	•					•	Г	•				
Worthen Bank & Trust Co. Computer Services Division								*					-	
Wyle Data Services										*				
X-Act Computer Service Inc.	•									*	$\vdash$			
XXCAL								•		*				
Xener Corporation		Г				*							•	
Xenex Computer Systems, Inc.										*	$\vdash$			Г
Xerox Computer Services		•	•			•	•			*				Г
Xybion Corporation	•	Г	*		Т				1			$\vdash$		
Xybion Medical Systems Corporation		Г	*					_		•			•	
Yipkon Business Systems, Inc.			*									$\vdash$		
Zeiler-Pennock									*					
Zero-N Systems Inc.	•		1						•	*			$\overline{}$	
	T										T			Г
	$\top$											Т	_	
	+	_									$\vdash$	$\vdash$		$\vdash$
	$\top$										$\vdash$	_	_	
			$\vdash$									$\vdash$	_	
	$\top$													
	$\top$										$\vdash$	Т	_	
		Г						$\vdash$						
	1													
														_
												-		
											-			
														-
	1	-	-				_		-	_	-	_	-	-

TABLE 15

INDEPENDENT PACKAGED SOFTWARE SUPPLIERS REVENUES, 1978-1980
(\$ Millions)

						% 1980 Market
	1978	5	1979	%	1980	Share
MSA	\$ 25	40%	\$ 35	46%	\$ 51	4.2%
Informatics, Inc.*	32	13%	36	6%	38	3.1%
Cincom Systems*	23	26%		21%	35	
Applied Data Research	21	19%	25	28%	32	
University Computing Co.	17	35%	23	35%	30	
Arthur Andersen*	15	27%	19	59%	30	
Pansophic Systems, Inc.	14	43%	20	40%	28	
SDI	18	28%	23	17%	27	
Computer Associates	12	50%	18	37%	25	2.19
Cullinane Database Systems Inc.	12	50%	18	11%	20	1.7%
Information Science	11	27%	14	21%	17	1.4%
Insurance Systems of America	10	30%	13	31%	17	1.4%
MRI (Intel)	10	30%	13	31%	17	1.4%
Policy Management Systems	11	18%	13	23%	16	1.3%
Software International	9	33%	12	25%	15	1.2%
Boole & Babbage	10	20%	12	17%	14	1.2%
Florida Software (Kirchman						
Corp.)*	8	38%	11	27%	14	1.2%
Anacomp*	8	25%	10	40%	14	1.2%
McCormack & Dodge	8	37%	11	275	14	1.2%
Software AG	8	38%	11	19%	13	1.1%
Capex	7	27%	9	22%	11	0.9%
Rand Information Systems	7	29%	ģ	22%	11	
Ask Computer Systems	1	400%	4	150%	10	0.8%
SUBTOTAL	297		388		499	43.7%
Others	383		532		711	56.3%
TOTAL	\$680	35%	\$920	32%	\$1,210	100.0%

<sup>\*</sup>These firms also market processing services.



Vendor	ADP/First Data	ADP Network Services (Cyphernetics)	American information Services	Avco Computer Services	Boeing Computer Service (CTS & TSO)
Services		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Daniel Constitution		more 1 4
Туре	Conversational, remote and local batch	Transaction processing, conversational, inquiry	Conversational, remote batch, CRJE, transaction processing,	Conversational, remote batch	Conversational, inquiry response, remote batch
Applications	Financial modeling, statistics, data base management,	response, remote batch General emphasis on information management	Project mgmt., order entry, budgeting, payroll distribution	Grephics, financiel planning, budgeting, information storage	Engineering, math, meneger science, finencial, text,
Geography	engineering, text processing, grephics	services to business	Inventory, statistics, invoicing	and retrieval, library	information mgmt., simulation plotting
Grow aprily	Serving U.S., Canada, and Europe from Walthern MA	Serving U.S. and Europe from Ann Arbor MI	Serving U.S. and Intl. users from Greenwich CT and Metuchen NJ	Serving the U.S. and Canada from Wilmington MA	Serving the U.S., Canada, Europe from Washington Do
Facilities					
Computers	DECsystem-t0s	24 DECsystem-t0s (256K 36bit words)	IBM 370/158s	4 IBM 470/158s (16 M8)	IBM 3033 (8MB); IBM 370/ 168MP (8MB)
Terminals supported	Terminals up to 1200 baud; IBM 2780	Up to 4800baud; Ity and 2741- 2780; most graphics	ASCII, EBCDIC, Correspondence terminals to	tty, 2741, Tektronix, 4780 and 3870, HASP workstellons	Interactive to 120cps; 2741 15cps, batch up to 9600be
Languages/packagea	Cobol, Fortran, CPL, Macro, Maxbasic, Algol, AID	Basic, Cobol, Fortran, GPSS, Macro	30 cps, batch to 2000 baud APL, Besic, Cobol, Fortran, PL/1, RPG, DRS, IMS.	Cobol, Fortren, PL/t, essembler, Interactive, Basic,	VS-APL, VS-Basic, Cobol, F
Data beses available	Stock market, 1970 Census.		assembler	Speekeasy, GPSS	t, Fortran, Watliv, Wylbur, assembler
Onth Desire available	Federal RR administration, AT&T teriffs	Economic data, financial, demographic, MSSS Spectral, etc.	Simmone, ARB Network Systems (advertising)	4- 4	- ×.
Pricing					
Start-up Monthly minimum	No charge for start-up No monthly minimum	\$100 start-up fee No monthly minimum	No charge for start-up No monthly minimum	No charge for start-up	No cherge for start-up
Terminal connect	\$7.50 per hour prime time to \$5 per hour	\$10 to \$15 per hour	\$10/hour	No monthly minimum \$10/hour for RJE; \$6/hour for	No monthly minimum \$8 to \$17/hour prime time;
Central processor	\$0.011 per Computer Resource	\$0.01t to \$0.22 per Computer	\$0.19/system resource unit;	TSO \$380 to \$1,240 per hour (\$440	\$2/hour off-hours \$0.20 to \$0.08 per Chargin
Diak storege	\$0.12 to \$0.30 per tK/month	Resource Unit \$0.06 to \$0.75 per 1K/month	\$0.10 - \$0.17/cpu sec \$20 to \$60 per cylinder/month	to \$810 per TSO-hour) \$100 to \$200 per month	Unit \$1.30 to \$0.70/cylinder per
Tape storage	\$2 to \$2.50/month	\$10/month	(3330 and 3350) \$5/month		dsy; \$0.05/track
Other	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	\$107 mouth	Surcharge for virtual memory over 320KB	\$2.50/month	\$0.20 to \$0.15/day Monthly storage discounts
Comments	Introduced in 1970	Introduced in 1959	Introduced in 1971	Introduced in 1958	CTS introduced in 1970; TS
					1972
Vendor	- 10V				
Vendor E. S. S. S. S. S. S. S. S. S. S. S. S. S.	Booing Computer Services (Mainstream-EKS)	Bowne Time Sharing (Comspec & Word One)	Burroughs	Call Computer	Calidata Systems
Services					2 Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract C
Туре	Conversational, CRJE, remote batch	Conversational, inquiry response, remote batch	Conversational, RJE, remote	Conversational, CRJE	Conversational, CRJE,
Applications	Structural analysis, data bese management, civil engineering, linear optimization, graphics,	Text editing, specification services for construction industry, photocomp, litigation	Banking, brokerege, finencial, real estate, simulation, math	Commodity analysis, inventory, accounting, library,	transaction, inquiry response General purpose
Geography	library Serving the U.S. and Canada	support Serving users nationwide from	Serving users nationwide and	manegement information, text editing	
	from Seattle WA	New York City	worldwide from New York City	Serving usera notionwide trom Mountain View CA	Serving U.S., Canade and Ira from Sethpage, Woodbury NY and Newton MA
Eschilles					
	5 CYBER 175s (256K with 60 bit words)	2 IBM 370/155s (1M8)	Burroughs B8700 dual processor (400K words)	Besic Timeshering 3000 (32K); Data General Eclipse 300	Cyber 73/172, 3 DECsystem
Computers	5 CYBER 175s (256K with 60 bit words) Up to 9800 bps	IBM 2741-compatible terminals up to 30 cps, ASCII (including	Burroughs 88700 dual processor (400K words) tty-compatible, Burroughs; IBM 2780/2741, ASCII terminals,	Bosic Timeshering 3000 (32K); Data General Eclipse 300 (96K) 1ty, all ASCII terminals up to 240cpa	2 Amdahl 470s, H6807 DTSS Cyber 73/172, 3 DECsystem 10s tty 33-35, IBM 2741, most othera, including RJE
Computers Terminals supported	bit words) Up to 9800 bps Compass 3, Baeic 2.1, Fortran, Cobol, Sort/Merge 4.	IBM 2741-compatible terminals up to 30 cps, ASCII (including crts) Assembly, Cobol, Fortren, PL/	processor (400K words)	Data General Eclipse 300 (96K) tty, all ASCII terminals up to	Cyber 73/172, 3 DECsystem 10s 10s 10s 11y 33-35, IBM 2741, most othera, including RJE Assembly, Besic, Cobol, Fortian Pl./1, Sanhol RP3
Computers  Terminals supported  Languages/packages	Up to 9800 bps	IBM 2741-compatible terminals up to 30 cps, ASCII (including crts) Assembly, Cobol, Fortren, PL/	processor (400K words)  tty-compatible; Burroughs; IBM 2780/2741, ASCII terminals, etc.  APL, Algol, Basic, Cobol,	Data General Eclipse 300 (96K) tty, all ASCII terminals up to 240cpa Algol, assembly, Basic, Fortran	Cyber 73/172, 3 DECsystem 10s 11y 33-35, IBM 2741, most othera, including RJE Assembly, Besic, Cobol, Fortran, PL/1, Snobol, RPG, Bruin, APL U.S. end Canadian
Computers Terminals supported Languages/packages Deta bases available	bit words) Up to 9800 bps Compass 3, Baeic 2.1, Fortran, Cobol, Sort/Merge 4.	IBM 2741-compatible terminals up to 30 cps, ASCII (including crts) Assembly, Cobol, Fortren, PL/1, RPG Construction apacs, Veterans	processor (400K words)  tty-compatible; Burroughs; IBM 2780/2741, ASCII terminals, etc.  APL, Algol, Basic, Cobol,	Data General Eclipse 300 (96K) 11ty, all ASCII terminals up to 240cpa Algol, assembly, Basic, Fortran IV and V, RPG II	Cyber 73/172, 3 DECsystem 10s tty 33-35, IBM 2741, most othera, louding RJE Assembly, Besic, Cobol, Fortran, PL/t, Snobol, RPG, Bruin, APL
Computers  Terminals supported  Languages/packages  Deta bases available  Pricing	bit words) Up to 9800 bps Compass 3, Basic 2.1, Fortran, Cobol, Sort Merge 4, Simscript, APL No charge for start-up	IBM 2741-compabble terminals up to 30 cps, ASCII (including crts) Assembly, Cobol, Fortren, PL/1, RPG Construction apacs, Veterans Admin, DOD, AIA, and others  No charge for etart-up	processor (400K words) tty compatible; Burrougha; IBM 2780/2741, ASCII terminals, etc. APL, Algol, Basic, Cobol, Fortran	Data General Eclipse 300 (98K) Ifly, all ASCII terminals up to 240cps Algol, assembly, Basic, Fortran IV and V, RPG II Commodities	Cyber 73/172, 3 DECaystem 10a 1ty 33-35, IBM 2741, most othera, lacluding RJE Assembly, Besic, Cobol, Fortran, PLP1, Snobol, RPG, Bruin, AP. U.S. ed Canadian demographic
Computers  Computers  Languages/packages  Deta bases available  Pricing  Startug  Monthly Minimum	bit words) Up to 9800 bps Compass 3, Baeic 2.1, Fortran, Cobol, Sort Merge 4, Simecropt, APL	IBM 2741-compatible terminate up to 30 cps, ASCII (including crts) Assambly, Cobol, Fortren, PL/ 1, RPG Construction specs, Veterans Admin, DOD, AIA, and others No charge for etart-up \$3300 monthly minimum	processor (400K words)  tty-compatible; Burroughs; IBM 2780/2741, ASCII terminals, etc.  APL, Algol, Basic, Cobol,	Data General Eclipse 300 (96K) (96K) (15, all ASCII terminals up to 240Cpa Algol, assembly, Basic, Fortran IV and V, RPC 8 Commodities  No charge for start-up \$10 monthly minimum \$5 to 314 / hour prime time	Cyber 73/172, 3 DECayster 10s 10s 11s 335, IBM 2741, most othera, including RIA Assembly, Bessc, Cobol, Fortran, PL/1, Snobol, RPG, Bruin, APL, U.S. end Canadian demographic  No charge for start-up \$50 monthly minimum \$111 0 \$14 per hour (grime
Computers Computers Languages/packages Deta bases available Pricing Startug Gonthly Minimum Ferminal connect	bit words) Up to 9900 bps Compass 3, Baec 2 1, Fortran, Codod, Sort/Merge 4, Simecript, APL No charge for start-up No mouthly minimum \$8.50 to \$10.00 per hour \$5.005 to \$20 per Computer	IBM 2741-compatible terminals up to 30 cps, ASCR (including cris) and compatible terminals up to 30 cps, ASCR (including cris) and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris and cris an	processor (400K words) If compatible, therroughs; IBM 2780/2741, ASCII terminals, APIL, Algol, Basic, Oobol, Fortran No charge for start-up No moothly minimum \$11.60 /nbor 20.38/ sec (grime time)	Data General Eclipae 300 (96K) (17), all ASCII termania up to 2406-pa Algod, assembly, Basic, Fortran IV and V, RPC II Commodities  No charge for start-up \$10 monthly minimum \$10 monthly minimum \$5.99 hour oil hours No charge	Cyber 73/172, 3 DECsystem 103 5, BM 2741, most 1thy 33-35, BM 2741, most 1thy 33-35, BM 2741, most 1thy 33-36, BM 2741, most Assembly, Besic, Cobol, Fortran, PL/1, Soobol, RPO, Brom, APL U.S. and Canadian demographic No charge for start-up \$50 monthly minimum \$11 to \$14 per hour (prime time) to \$6/hours \$15/7 resource with (batch)
ferminals supported  anguages/packages  beta bases available  cricing  Start-up  donthly Minimum  ferminal connect	bit words) Up to 9800 bps Compass 8, 8sec 2 1, Fortran, Cobol, Sort Merge 4, Simecript, APL No charge for start up No monthly missions 88.50 to \$18.50 per hour Cherging Stat.	IBM 274 r-compatible terminals up to 30 cps, ASCII (including Assamby, Cobol, Fortran, PL/1, RPG Construction aprex, Veterass Admin, DOD, AM, and others No charge for start-up. 3300 monthly minimum \$2.95 now.	processor (400K words) Try compatible, Ferroughe, IBM 2780/2741, ASCRI terminals, 2780/2741, ASCRI terminals, APIL, Majol Basic, Cobol, Fortrain No charge for start-up No monthly minimum \$11.00 / hours \$11.00 / hours \$20.20 / second (off-hour) \$20.20 / second (off-hour) \$20.20 / second (off-hour)	Data General Eclipse 300 (96th) (17), all ASCII terminals up to 240cpa Algod, assembly, Basic, Fortran IV and V, RPG II Commodities 300 monthly minimum \$5 to \$14 / hour prime time \$5 to \$14 / hour prime time \$5 to \$14 / hour prime time \$0.09 f hour off hours No charge	Cyber 73 / 172, 3 DEC-ystem 10 so 5, 18M 2741, most othera, liciculing RJE Assembly, Bessc, Cobol, Fortran, PL/1, Shobol, RPG, Briun, API. U.S. end Canadian demographic No charge for start-up \$50 monthly minimum \$550 monthly minimum in \$55 monthly minimum \$150 monthly minimum \$150 monthly minimum \$150 monthly minimum \$150 minimum \$150 monthly minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$150 minimum \$15
Computers Terminals supported Languages/packages Deta bases available Pricing Bart-up Monthly Minimum Germinal coanect Central processor Xak storage	bit words) Up to 9800 bps Compass 3, Baec 2 1, Fortran, Compass 3, Baec 2 1, Fortran, Compass 3, Baec 2 1, Fortran, Compass 3, Baec 2 1, Fortran, Simerrys, API, No charge for start up No mostly minimum 8.5.00 to 18.00 per hour \$0.005 to 90.00 per Computer Charges Quit \$0.0016 to \$0.007 per sector per day	IBM 9741-comparible terroration to 10 opps, AGCII Sincluding crist of the control of the control opps, AGCII Sincluding crist of the control opps, Cobol, Fortree, P.I., APPG Construction appea, Veterass Admin, DOD, AMA, and others No charge for startup. 3300 monthly minimum 3200 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 monthly minimum 3500 mo	processor (400K words) try compatible, Ferrogopa, 18M 2780/2741, ASCII terminals, etc. APL, Algol, Basic, Cobol, Fortran No charge for startrup No monthly minimum \$11.00 Per 15.00 Per 15.00 Per 15.00 Per \$15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 15.00 Per 1	Data General Eclipse 300 (96th) (17), all ASCII terminals up to 240cpa Algod, assembly, Basic, Fortran IV and V, RPG II Commodities 300 monthly minimum \$5 to \$14 / hour prime time \$5 to \$14 / hour prime time \$5 to \$14 / hour prime time \$0.09 f hour off hours No charge	Cyber 37.172, 3 DECsystem 10-30 St, BM 2741, most threat, including RJE Assembly, Besic, Cobol, Fortran, FL/1, Soobol, RPO, Brein, APL U.S. and Canadian demographic Monthly minimum \$150 monthly minimum \$150 monthly minimum \$11 to \$14 per horu (prime time) to \$6/hours 13/17/resource until fatch).
Computers  Terminals supported  Languages / packages  Deta bases available  Pricke  Barrup  Monthly Mainium  Barrup  Cantral processor  John Monthly Mainium  Service of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the C	bit words) Up to 98000 bps Compass 3, 8 sec 2 1, Fortsen, Cook, Gert Marge 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4,	IBM 2741-compatible terminals up to 30 cps, ASCB Gendledge up to 30 cps, ASCB Gendledge (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (	processor (400K words) Try compatible, Ferroughe, IBM 2780/2741, ASCRI terminals, 2780/2741, ASCRI terminals, APIL, Majol Basic, Cobol, Fortrain No charge for start-up No monthly minimum \$11.00 / hours \$11.00 / hours \$20.20 / second (off-hour) \$20.20 / second (off-hour) \$20.20 / second (off-hour)	Date General Eclipse 200 (2004 ASGII termenals up to 240cps ASGII termenals up to 240cps ASGII termenals up to 240cps ASGII termenals up to 240cps Noc Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft Assert Soft	Cyber 73 / 172, 3 DECsystem (1) 3 35, IBM 2741, moss often; Inciding RJE (1) 3 35, IBM 2741, moss others, Inciding RJE (1) 4 3 4 5 4 5 5 6 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6
restitutes Competers Terminals supported Languages/packages Data bases available Prickag Blattag Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainmum Growthy Mainm	bit words) Up to 98000 bps Compass 3, 8 sec 2.1, Fortran, Cook, Serri Murge 4, Serri Murge 4, Serri Murge 4, Serri Murge 5, Serri Murge 5, Serri Murge 6, Serri Murge 6, Serri Murge 6, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Serri Murge 7, Se	IBM 9741-comparishe terminals up to 30 cps. ASCB finelusing up to 30 cps. ASCB finelusing crists (p. Cobot Forters, P.L.), Assembly, Cobot Forters, P.L.), Assembly, Cobot Forters, P.L.), Assembly, Wetrans, Ocharite (p. Costariccione), Wetrans, Ocharite (p. Costariccione), Assembly minimum 3500 m/crocess with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces with 500 fireforces w	processor (400% words) try compatible, Fureyouth, IBM 2780/724, 1, ASCII terminate, etc. APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, A	Data General Eclipse 200  (Mod. ASOII terminals up 10  240cpa  Algol, assembly, Basic, Fortran Iv and V, APO 18  No charge for start-up  \$10 monthly minimum  \$10 monthly minimum  \$10 bit 0 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pi	Cyber 73 / 172, 3 DECsystem 103 is 5, BM 2741, most othera, liciculars RJE 20 othera, liciculars RJE 20 othera, liciculars RJE 20 othera, because 20 othera, because 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 othera, BM 20 ot
Computers  Terminals supported  Languages / packages  Deta bases available  Pricke  Barrup  Monthly Mainium  Barrup  Cantral processor  John Monthly Mainium  Service of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the C	bit words) Up to 98000 bps Compass 3, 8 sec 2 1, Fortsen, Cook, Gert Marge 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4, General 4,	IBM 2741-compatible terminals up to 30 cps, ASCB Gendledge up to 30 cps, ASCB Gendledge (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (1940-194), 1, RPG (	processor (400% words) try compatible, Fureyouth, IBM 2780/724, 1, ASCII terminate, etc. APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APP Appl, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, APPL, Basic, Cobol, A	Data General Eclipse 200  (Mod. ASOII terminals up 10  240cpa  Algol, assembly, Basic, Fortran Iv and V, APO 18  No charge for start-up  \$10 monthly minimum  \$10 monthly minimum  \$10 bit 0 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pine time  \$20 50 1 hour pi	Cyber 73 / 172, 3 DECsystem 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274
Computers Terminals supported Languages/packages Data bases available Pricing Blist-top Growthy Mainment ferminal causes Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe Ages at Grospe	bit words) Up to 98000 bps Compass 3, 8 sec 2, 1, Fortran, Cook, Serri Murger 4, Simsory, APL,  White Compass 3, 8 sec 2, 1, Fortran, Cook, Serri Murger 4, Simsory, APL,  No charge for sast up 100 monthly minimum 48.50 to 51.00 per hour 58.50 to 51.00 per hour 58.50 to 51.00 per hour 58.50 to 51.00 per hour 58.50 to 51.00 per sactor per day 101.00 to 50.00 per sactor per day 105.00 to 50.00 per sactor per day 105.00 to 50.00 per sactor per day 105.00 to 50.00 per sactor per day 105.00 to 50.00 per sactor per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 to 50.00 per day 105.00 per day 105.00 to 50.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 105.00 per day 1	IBM 2741-compatible terminals up to 30 cps. ASCI Gendeling up to 30 cps. ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI Gendeling (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.) ASCI GENDELING (15 cps.	processor (400K words) Try compatible, Terrograpa, 18M ar780/2741, ASCII terminals, etc. Month Besic, Cobol, Fortran.  No charge for start-up. No charge for start-up. No monthly minimum \$11.00 flow monthly minimum \$11.00 flow monthly minimum \$11.00 flow monthly minimum \$10.00 resecond (of thour) \$0.00 flow flow get 1000 characterist day \$10.00 rese file per day reper dates of stree	Date General Eclipse 200 (Ved ASCII termenals up to 240cps ASCII termenals up to 240cps ASCII termenals up to 240cps ASCII termenals up to 240cps No charge for atlant up 5510 monthly minimum 5610 514 // hour prime time 5610 514 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour pri	Ity 33-56, IMB 2741, most other, Including Mines 24, Massenby, Besic, Codo, Portrare, Put-1, Secolod, Fifth, David, Carlon, A.M., 132 and Canadian demographic. No charge for start up. 80 charge for start up. 81 to 614 per informational charge public and the start of the start for grinder charge public start and start of the start for grinder public start and start at 45,000 counts start at 45,000 counts start at 15,000 counts start at 15,000 counts start at 15,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 150,000 counts start at 1
Computers  Terminals supported  Languages / packages  Deta bases available  Pricke  Barrup  Monthly Mainium  Barrup  Cantral processor  John Monthly Mainium  Service of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the Computer of the C	bit words)  Up to 9800 bps  Compass 3, 8 anc 2 1, Fortsen, Cook, Gent Marge 4, Gent Cook, Gent Marge 4, Gent Cook, Gent Marge 4, Gent Cook, Gent Marge 4, Gent Marge 4, Gent Marge 5, Gent Gent Gent Gent Gent Gent Gent Gent	IBM 2741-compatible terminals up to 30 cps. ASCB Gendeling up to 30 cps. ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.) ASCB Gendeling (15 cps.	processor (400K words) Try compatible, Terrograpa, 18M ar780/2741, ASCII terminals, etc. Month Besic, Cobol, Fortran.  No charge for start-up. No charge for start-up. No monthly minimum \$11.00 flow monthly minimum \$11.00 flow monthly minimum \$11.00 flow monthly minimum \$10.00 resecond (of thour) \$0.00 flow flow get 1000 characterist day \$10.00 rese file per day reper dates of stree	Date General Eclipse 200 (Ved ASCII termenals up to 240cps ASCII termenals up to 240cps ASCII termenals up to 240cps ASCII termenals up to 240cps No charge for atlant up 5510 monthly minimum 5610 514 // hour prime time 5610 514 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime time 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour prime 500 517 // hour pri	Cyber 73 / 172, 3 DECsystem 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274 most 19-3-35, IBM 274



	CHI	Community Computer	Compudial	Compuserve Network	Computel Systems
terricos 1 <sub>0</sub> 04	Conversational, remote batch, CRJE	Conversational	Convareational remote batch, Inquiry response	Conversational	Remote batch, CRJE, inquiry response, conversational
applications	Engineering, business, math, aducation, dbms, photocomp, modeling, financial forecasting	Accounting, finence, education, inventory control, angineering, math-statistics	Order entry, billing, accounts payable/receivable, inventory control, seles analysis	Accounting, construction, education, insurance, business, text processing	Construction, enginearing, aclentific, data base management, simulation
Seography	Serving northern and central Ohio, and cantral Pennsylvanie, from Claveland OH	Sarving New Jersey, Delaware and aastern Pennsylvania from Philadelphia PA	Serving the mid-Atlentic stetas from Cherry Hill and Montclair NJ and Baltimore MD	Serving the U.S. from Columbus and Dublin OH	Serving Canade and the U.S. from t0 cities throughout Canada and from Miami FL
Facilities Computer	Univac 1108, Univac 1100/11, DECsystem 2050, 2 HIS 430s	3 Hewlett-Packard 2116Bs (16K 16 bit words)	NCR Century 201	12 DECsystem-10s	IBM 360/65, 2 IBM 370/166s Univac 1108, 2 84700s,
Termins pported	ASCII to 1200baud; RJE to 20,000baud	ASCII terminels to 300baud	ASCII terminals to 120cps; tty 33-compatible	Terminals to 120 cps, HASP to 4800baud	4 HP3000s tty 33/35; IBM 2741/ 2780; Data 100; Univac 1004; 3780;
Languaci- packages	Algol, Besic, Cobol, Fortren, RPG, Snobol, Fipec	Basic, Fortran, Algol	-	APL, AID, Algol, Besic, Cobol, Fortran, Lisp, Snobol, RPG	atc. Computerma; others Algol, assembly, Cobol, APL, Fortran, PL/1, Snobol, RPG
Dess bo aveilable	-	-	-	Telstat, Compustat	Datebank/Massager , (econometric)
Pricin;					
Start-u: Vonthi, Simum Fernin nnact	\$25 Start-up charge No monthly minimum \$3.50 to \$12/hour	No etart-up charge No monthly minimum \$6 to \$10 per hour	\$0.25/record start-up \$300 monthly minimum No charge for connection	No charge for start-up No monthly minimum \$12 to \$50 par hour	No charge for start-up \$100 monthly minimum \$5 to \$10 per hour
Centra (Gassor	\$0.22 to \$0.30 per betch unit; \$0.04 to \$0.07 t·e	-	-	\$0.012 to \$0.023 per System Resource Unit	\$440 to \$1260 per CPU hour
bak s' a lape : ge Other	\$0.20/day per 2.8KB batch; \$0.35/day per 1KB t a \$0.10/day or \$2.50/month Cards: \$0.05/day per box or	\$0.05 to \$0.20 / month per 160KB —	\$0.55 per 1KB	\$0.052/day per 3200 characters \$9/period, \$15/mount	\$0.02/day per data set plus \$0.03/day per track —
Komera	\$1.25/month  Batch introduced in 1966; conversational in 1971	Introduced in 1986	Introduced in 1971	Introduced in 1970	Introduced in 1968
Neco.	The Computer Company (Action/APL)	Computer Innovations	Computer Network	Computer Research	Computer Resource Services
	The Computer Company (Action / APL)	Conversational APL and ATS,	Conversational, batch, remote	Computer Research	Conversational, transaction
enics	(Action/APL)	3		Land of the land of the land	int stage water
ervices pre	(Action/APL)  Conversational  Education, engineering, financial, math-stelletics,	Conversationel APL and ATS, Inquiry response APL: business, engineering, financial, graphics, project	Conversational, batch, remote batch, transaction entry, inquiry	Remote batch Brokerage accounting, CATV	Conversational, transaction antry
errices ppe pphrotione	Conversational  Education, engineering, financial, math-stelletics, payrol, plotting, graphice  Serving U.S., Canade, Frence, Belgium and Switzerland from	Conversational APL and ATS, inquiry response APL business, angineering, financial, graphics, project control; ATS: word processing	Convarsational, batch, remota batch, transaction entry, inquiry Businese, scientific  Serving the U.S. from	Remote batch Brokerage accounting, CATV accounting, advection Serving the U.S. from	Conversitional, transaction entry General business Sarving metropolitan Phoenix and Tucson AZ 6 H P 21180s (32K 16-bit
errices prope sography	Conversational  Education, engineering, financial, math stelletics, payrol, politicing, orephice  Servog U.S., Canade, Frence, Balgium and Switzerland from Richmond VA	Conversational APL and ATS, inquiry response APL business, angineering, financial, graphics, project control; ATS: word processing	Conversationel, batch, remote batch, tremoter batch, tremoscion entry, inquiry Businese, scientific Serving the U.S. from Washington DC	Remote batch Brokerage accounting. CATV accounting, advication Serving the U.S. from Prittsburgh PA	antry General business Sarving metropolitan Phoenix and Tuction AZ
enrichs pre policitione pography achities omputers	Conversational Education, engineering, financial, main stelletics, payori, plotting, orephice Serving U.S. Canada, France, Bidgium and Switzerland from Rickmond VA.  18M 370 155 (1.5MB)	Conversational APL and ATS, liquiry response APL: business, appearing, financial, graphics, project processing Serving the midwestern U.S	Convarsational, batch, remote batch, transcrition entry, inquiry bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific bassess, scientific b	Remote batch Brokerage accounting CATV accounting, advantion Serving the U.S. from Pritishurgh PA Honeywell 2015	Conversational, transaction antly General business  Sarving metropolitan Phoenix and Tucton AZ  6 H P 2118Bs (32K 16-bit words)
arrichs ppe  popicatione  popicatione  achitics  amputers  framets supported	Conversational  Education, complexating, francoid, main stellatics, payrol, plotting, cystop, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to gradule, forming to g	Commercial APL and ATS, logary response APL business, angivers for formation, and an appearing, formation, ATS, word processing Serving the midwestern U.S	Comerational, batch, remote batch, remote batch, transcrion entry, requiry Brunness, scientific Serving the U.S. from Weathington D.C.  IBM 370/156, ITEL AS/6  ASCRI to 120 cps, EBCDIC to 13,000beau.	Remote batch Brokerse accounting CATV accounting, advantan Serving the U.S. from Pritsburgh PA. Honeywell 2015 tty; Friden, Data 100	Conversational, transaction antry General business Sarving metropolitan Phoenix and Tucson AZ 6 HP 2118Bs (32K 16-bit words) ASCII or correspondence fermands to 3/Ops
entre s populatione elography elography ministration apported ministration processes in base available fishing ministration and the fishing ministration and the fishing ministration and the fishing ministration and the second and the fishing ministration and the second and the fishing ministration and the second and the second and the fishing ministration and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the	Conversational  Education, eogineering, francical, main seleletics, psyrol, plotting, especial, psyrol, plotting, especial, psyrol, plotting, especial, psyrol, plotting, especial, psyrol, plotting, psyrol, posterior, psyrol, posterior, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, psyrol, ps	Commercationed AFL and ATS, Inguity response. AFL business, engineering, families, princed collect, ATS, word processing Serving the midwealern U.S.  BM Selectric; ASCII to 30cps APL	Convariational, batch, remote batch, remote batch, transcrion entry, requiry Buseness, scientific  Serving ha U.S. from Washington D.C.  BM 370/158, ITEL AS/6  ASCII to 120 cps, EBCDIC to 19, 200hout 1, 1, beec, Seobol, Fird, RPL, 1, beec, Seobol, Fird, GB/2  No charge for start-up 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards or 11/2 hours 46.50/1000 cards	Remote batch Brokerse accounting CATV accounting, advantan Serving the U.S. from Pritsburgh PA. Honeywell 2015 tty; Friden, Data 100	Conversational, transaction and transaction and transaction and transaction and Tractors AC 6 HP 211816 (22K 16 bit words) 6 HP 211816 (22K 16 bit words) 7 ACIG or correspondence terminate to 20cps 8 Basic 5 O country minimum 5 O country minimum 5 O country minimum 5 O country minimum
entire s populatione engraphy engraphy engraphy entire s engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy engraphy	Concernational  Education, experiencing, français, main helicitics, payers, planting, cyaline, payers, planting, property, planting, payers, planting, payers, planting, payers, planting, payers, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, planting, p	Conversationed APL and ATS, Inguity responses APL business, engineering, families and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic and artistic a	Conversational, batch, remote batch, transction entry, requiry Business, scientific Serving the U.S. from Wishington DC Serving the U.S. from Wishington DC Serving the U.S. from 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-bear 13, 200-b	Remote batch  Brokerse accounting CATV accounting CATV accounting CATV accounting Accounting  Serving the U.S. from Pritsburgh PA  Honeywell 2015 tty, Friden, Data 100  Assembly, Fortran, Cobol   Start up fee varies	Conversational, transaction entry services and transport of the entry of General business  Banking meropolities Phoenis and Tuccion AZ  Banking meropolities (20X 16-bit world)  AZGLI or correspondence terminate to 30cps  Basic
entres proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed proposed propo	Concernational  Education, expinenting, francis, main selection, payment, plante, capture, payment, plante, capture, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, plante, p	Conversations APL and ATS, Ingary response. APL business, engineering, families, princed colors, ATS, word processing Serving the midwestern U.S.  BM Selectric; ASCII to 30cps APL STOC charge for start-up No monthly minimum	Conversational, batch, remote batch, remote batch, transaction entry, liquiry Business, scientific  Serving the U.S. from Weshington DC  Serving the U.S. from Weshington DC  Serving the U.S. Form Weshington DC  Serving the U.S. Form APL (1886) to 120 cps, EBCDIC to 13-200-band Assembler, Cobol, Fortran, PL (1886), Beck, Sebbol, RPQ, GB (1887) No. monthly minimum  No charge for start-up No. monthly minimum  No charge for start-up Serving Color (1887) to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888 to 1888	Remote batch  Brokerse accounting. CATV accounting, advantan  Serving the U.S. from Pritsburgh PA  Honeywell 2015  tty; Friden, Data 100  Assembly, Fortran, Cobol   Start up fee varies 5675 monthly minimum	Conversational, transaction enterty General business Barning metropolitien Phoenia and Tucton AZ  Barning metropolitien Phoenia and Tucton AZ  Barning metropolitien Phoenia and Tucton AZ  Barning metropolitien Phoenia and Tucton AZ  Barning metropolitien Phoenia and Tucton AZ  Barning metropolitien Phoenia and Tucton AZ  Significant Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton Phoenia and Tucton P
entines populatione populatione population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population population p	Conversational  Education, complements, financial, math stelletics, payvol, plotting, orphice payvol, plotting, orphice payvol, plotting, orphice plotting, orphice plotting, orphice plotting, orphice plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or plotting, or	Commercial APL and ATS, Ingly response APL business, angineering, Ingly response APL business, angineering, Ingline and ATS, Ingly response APL and processing Serving the midwestern U.S  EM Selectric; ASCII to 30cps  APL  S100 charge for start-up No monthly minimum  \$12 20 to \$21.20 per hour  APL \$3.03.97 insource Uhit,  ATS, \$3.01	Conversational, batch, remote batch, transaction entry, requiry Business, scientific  Serving the U.S. from Westmedien D.C.  Serving the U.S. from Westmedien D.C.  Serving the U.S. from Westmedien D.C.  BM 370/156, ITEL AS/6  ASSET SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVING SERVIN	Remote batch  Brokerse accounting. CATV accounting, advantan  Serving the U.S. from Pritsburgh PA  Honeywell 2015  tty; Friden, Data 100  Assembly, Fortran, Cobol   Start up fee varies 5675 monthly minimum	Conversational, transaction entry General business  Barning metropolitien Phoenix and Tuccion AZ  G NP 21180s (20X 16 bit words)  ACID or correspondence terminate to SiGps  Basic  100 college for filler up  1100 college for filler up  1100 college for filler up  1100 college for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage for filler up  1100 stage fo

1 370, 1; 274 600bs obol, bur,



Vandor	Computer Sciences (Infonet-CSTS)	Computer Sciences (Inlanet Service 370)	Computer Sciences Ceneda	Computer Sharing Sarvices	Computer Solutions (Fastcomp)
Services					
Туре	Conversational, remote batch	Ramote batch, time-sharing, and conversationel editing	Conversational, remote betch, inquiry response	Conversational, RJE, remota batch, inquiry response	Conversational
Applications	Data basa management, linancial, linear programming, math-stalistics, econometrics	Math-statistics, project management	Accounting, engineering, math- statistics, science, financial, plotting, petrochemical	General business, linencial, and mining	Accounting, educational, pharmaceutical
Geography	U.S., Canada, Europe from Los Angelee, Oak Brook IL and	Serving the U.S. from Dallas TX		Serving the U.S. from Denver	Serving New York, New Je Connecticut and Pennsylva
	Beltsville, MD				from East Orange NJ
Facilities	1				
Computers	12 Univac 1108s (256K 36-bit words)	3 IBM 370/168s (10 MB)	2 Univac 1108s (256K 36-bit words)	Dusl Honeywell 68/17s	CSI Fastcomp V (HP 2100 Series)
Terminals supported  Languages/packages	Keyboard terminals to 30cps; RJE to 9800bps Assembly, Fortran, Cobol,	Terminals to 4800bps, direct lines to 120cps Assemply, Fortran, Cobol, PL/	Interactive to 120cps, RJE to 4800bps	Asynch to 1200baud, RJE to 4800baud	ASCII terminals at 10cps
	Basic	1, Nestran, SRDC, Ansys, Easytrievs	Assembler, Basic, Cobol, Fortran, GPSS	Basic, Fortran, Cobol, GMAP	Basic
Data bases available	CEDA, SITE II, Diadem	-	Statistica	-	Pharmaceutical
					· · · · ·
Pricing					
Start-up Monthly minimum	\$150 charge for etart-up \$150 monthly minimum	\$150 charge for start-up \$150 monthly minimum	\$150 charge for start-up \$50 monthly minimum	\$50 chergs for start-up \$100 monthly minimum on	No charge for stort-up No monthly minimum
Terminal connect	\$S to \$30 per hour plus character rate option	\$9 to \$20 per hour	\$8 to \$32 per hour	\$3 to \$18 per hour	\$4.95 to \$10 per hour or \$ month per port
Central processor Disk storage	\$0.06 to \$0.29 per System Resource Unit	\$0.11S to \$0.80 per System Resource Unit	\$0.045 to \$0.80 per System Resource Unit	\$0.03 to \$0.255 per Computer Resource Unit	_
DISK Storage	-	-	-	-	-
Tape storage	\$10/hour per tape drive	_	-	_	_
Other	\$0.03/day per page	\$0.017 to \$0.040/day per page	\$0.2S to \$0.053/day per page	\$1.50/month per 4KB	\$1/month per 1KB
Commanta	Introduced in 1970	handard to some			
	Introduced in 1970  Computons Systems	Introduced in 1977  Comeany (AMAPS, CAS III)	Introduced in 1987  Comshers (Commander I)	Introduced in 1987  Comshare (Commander II)	Introduced in 1968  Comshare Ltd. (Commande
Vendor Services	Computone Systems	Comesty (AMAPS, CAS III)	Comshars (Commander I)	Comshers (Commander II)	Comshare Ltd. (Command and CP-V)
Vendor Services Typs	Computons Systems  Transaction processing	Comserv (AMAPS, CAS III)  Transaction processing (on-line or batch)	Commenter (Commender I)	Conversational, remote batch	Comshare Ltd. (Command
Vendor Sarvices Type Applications	Computons Systems  Transaction processing  Computer-assisted selling, linear programming, scientic applications	Comesry (AMAPS, CAS III)  Transaction processing (on-line	Comshars (Commander I)	Comshers (Commander II)  Conversational, remote batch  Human resource mgmt., accounting, telephone administration, engineering.	Comehare Ltd. (Command and CP-V)  Conversational, remots bat CRUE, inquiry response Data management, math-
Vendor Services	Computons Systams  Transaction processing  Computer assisted selling, linear programming, scientific	Comserv (AMAPS, CAS III)  Transaction processing (on-line or batch)  Material requirements planning,	Comments (Commender I)  Conversational  Banking, angineering, mathelatistics, third-party programs	Comehars (Commander II)  Conversational, remote batch  Human resource mgmt, accounting, lelephone administration, engineering, limancual, matil	Comshare Ltd. (Command and CP-V)  Conversational, remote bat CRJE, inquiry response Data management, math- statistice, business, financi
Vendor Services Typs Applications Geography	Computors Systems  Transaction processing Computer sestated calling, inser organisms, sciential applications Serving the U.S. from Atlanta GA	Comserv (AMAPS, CAS III)  Transaction processing (on-line or batch)  Material requirements planning, accounting, order strly  Sonroing Managoolis SI, Paul, Chicago and Managoolis SI, Paul, Chicago and Managoolis MI, Managoolis MI)	Comshers (Commender I)  Convariational  Banking, engineering, math- elahistics, third-party programs including enimal nutrition  Serving the U.S. from Ann	Comehars (Commander II)  Conversational, remote batch  Human resource mgmt, accounting, letephone administration, engineering, lenancial, enail Serving the U.S., Canade, Arbor MI, Reddale ON, London, Arbor MI, Reddale ON, London	Comehare Ltd. (Command and CP-V)  Conversational, remote bat CRJE, inquiry response Date management, mathstatistice, business, financithird-party programs
Mendor Services Services Opportunities Opportunities Securities Securities Securities Securities Securities Computers	Computors Systems  Transaction processing Computer-assisted selling, main programming, schedic specializers Serving the U.S. from Atlanta GA.  IBM 360/65 (1MB)	Comserv (AMAPS, CAS III)  Transaction processing (online or batch) Material requirements planning, accounting, order entry Serving Minneapolis-St. Paul, Chicago and Minwakes from Minneapolis bit Minneapolis bit Minneapolis	Comshers (Commander I)  Conversational  Basing, engineering, mathitation in the commander III of the commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander II of the Commander III of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the	Comsters (Commander I)  Conversational, remote batch  Homan resource mont, administration, exponency, inancia, math  Serving the U.S., Casada, Arbor MJ, Raudale ON, London,  Tolyto  6 Xerox Sigms 98 (\$12K8)	Comshare Ltd. (Command and GP-V) Conversational, renote but GASE, mojar response Data management, math-statistics, business, feasci-life july programs Serving Canada from Bram, ON 2 Xerox Sigma Se (1MB)
Tendor Services Services Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment Septiment S	Computors Systems  Transaction processing Computer sestated calling, inser organisms, sciential applications Serving the U.S. from Atlanta GA	Comserv (AMAPS, CAS III)  Transaction processing (on-line or batch)  Material requirements planning, accounting, order strly  Sonroing Managoolis SI, Paul, Chicago and Managoolis SI, Paul, Chicago and Managoolis MI, Managoolis MI)	Comshers (Commander I)  Conversational  Banking, engineering, mathiatainics, third-party programs including enmal nutrision  Serving the U.S. Irom Ann Arbor MI  8 Xerox 940s (64K 24-bil	Comshare (Commander I)  Conversational, remote batch  Human resource right, accounting, letsphose administration, appendering, Serving the U.S., Canade, Europe and Japan Iron Arn Arbor MR, Readas CN, London, Tolayo  X Serox Sigms 98 (\$12X0)  A XGOS Isemmets to 1020pp; IBM	Committee 136. (Command and GP-V) and GP-V) Conversational, remote be Conversational, remote be Conference on the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t
Vendor  Services Services Applications Geography Facilities Computers Serviced supported	Computors Systems  Transaction processing Computer sestated sating, Inear programma, scientic speciations Serving the U.S. from Atlanta GA  IBM 380/36 (IMB) Computers 11 700, various	Comserv (AMAPS, CAS III)  Transaction processing (on-line or balco).  Makerial requirements planning, accounting, order entry  Serving Maneagolin-St. Paul.  Serving Maneagolin-St. Paul.  Serving Maneagolin-St. Paul.  IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/45.2 IBM 380/4	Comshers (Commander I)  Conversational  Basing, engineering, mathitation in the commander III of the commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander III of the Commander II of the Commander III of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the Commander II of the	Comshare (Commander 8)  Conversational, remote batch  Human resource rigid.  accounting, listinghose administration, expendering, listinghose administration, appeared transcal, and accounting the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	Commans Ltd. (Command and Ch-V) Commans Ltd. (Command and Ch-V) Conversational, remote ball Chill. moly) response statistics, beareas, feach statistics, beareas, feach statistics, beareas, feach of the days program Sening Canada from Bram, ON ASCE terminals in 20cos ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE Senionals (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS (1MB) ASCE SENIONALS
Pendor  Barvices Type Applications  Geography  Facilities Computers  seminate supported  angueges/packages	Computors Systems  Transaction processing Computer sestated sating, Inear programma, scientic speciations Serving the U.S. from Atlanta GA  IBM 380/36 (IMB) Computers 11 700, various	Comserv (AMAPS, CAS III)  Transaction processing (on-line or basics)  Material requirements planning, according, order entry  Sanning Minnegolia CI, Paul,  Chicago and Mineabase from Minnegolia MIP,  IBM 380/45, 2 IBM 380/40s  tty 33/35-compatible, Data- point 1200	Comshere (Commander I)  Conversational  Banking, engineering, matheliatistics, the'd party programs elatistics, the'd party programs Serving Intelligent Conference on Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Ann	Comshare (Commander 8)  Conversational, remote batch  Homan response niget accounting, liet phone accounting, liet phone accounting, liet phone accounting, liet phone accounting, liet phone accounting, liet phone liet response and Japan John Ann Arbor MI, Rendale CN, London, Tolyio  Xeriox Sigms 98 (\$120(8))  XSCS leremists to 1200pp; (BM 2760 compatible Ascentify, Fortina, Cabol, Basic, report generator	Comehars Ltd. (Command and CP-V)  Conversational, remote be Child. Implied response to Child. Implied response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response
Fendor  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services  Services	Computors Systems  Transaction processing Computer sestated sating, Inear programma, scientic speciations Serving the U.S. from Atlanta GA  IBM 380/36 (IMB) Computers 11 700, various	Comserv (AMAPS, CAS III)  Transaction processing (on-line or batch) Material requirements planning, accounting, order entry  Serving Manneapolie SLP Paul, Manneapolie SMN  IBM 3807-65, 2 IBM 3807-60e ITIS 337/35-compatible, Daispoint 1200  Basic, Cobol  Manufacturing distribution  Charges based on coolfact and	Comshers (Commander I)  Conversational  Banking, engineering, mathialistics, the openity programs datalistics, the openity programs Genring the U.S. from Ann Arbor M.  8 Xerox 940s (64K 24-bil words) Most ASCII terminals to 60cps Assambly, 8 slic, Forriran, Brobol	Comshere (Commander I)  Conversational ramote batch  Human resource mgmt, acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, letelphose acconting, let	Commans Ltd. (Command on Ch.V)  Conversational, remote be CHLE, require response to CHLE, require response to the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participa
rendor  Services  specifications  Seography  lacitities  computers  aminate supported  angueges/packages  ata bassa skellable  risking	Computors Systems  Transaction processing Computer sestated sating, Inear programma, scientific applications Serving this U.S. from Affants GA.  IBM 380/78 (1MB) Computors 11 TOQ various audo terminals	Comserv (AMAPS, CAS III)  Transaction processing (de-line or batch)  Transaction processing (de-line or batch)  Serving Monegolia-St. Paul,  Serving Monegolia-St. Paul,  Chicago and Miseake from Minnespolia Mis  IBM 3801/65, 2 IBM 3801/40s  tty 331/35-compatible, Datapont 1200  Basic, Colob Manufacturing distribution  Charges based on cocitect and transaction types	Comshers (Commander I)  Conversational  Banking, engineering, mathelatistics, the'd party programs elatistics, the'd party programs Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intelligent Serving Intell	Comshare (Commander I)  Conversational, remote batch  Haman resource reget, accounting, letelphose administration, epicephose accounting, letelphose administration, approximation, and Arbor Mil, Resides ON, London, Tolyo  6 Xetox Sigms 98 (\$12X8)  ASCRI terminals to 120cps; IBM 2760-competible  Ascembly, Fortan, Cobel, Basic, report generator  Financial oriented  No charge for start up	Comehare Ltd. (Command on CP-V)  Conversational, remote be CARE, major response to CARE, major response to CARE, major response to CARE, major response to CARE, major response to CARE, major response to CARE, major response to CARE, and CARE, care control of the CARE, care control of the CARE, care control of the CARE, care control of the CARE, care control of the CARE, care control of the CARE, care control of the CARE care control of the CARE care control of the CARE care control of the CARE care control of the CARE care care care care care care care care
Pendor  Darvices  Specifications  Geography  Facilities  Facilities  Angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  angueges / packages  ang	Computors Systems  Transaction processing Computer-assisted salling, linear programming, scientific applications Bervinos this U.S. from Atlanta QA.  BM 380/95 (1MI) Computors TI 700, various save terminal if	Comserv (AMAPS, CAS III)  Transaction processing (de-line or batch)  Makerical recurrements planning, accoming, order entry  Serving Mannespolies SJ, Paul,  Chicago and Maheauke from Mannespolie Mile  IBM 3801/65, 2 IBM 3807 40a  Ity 331/35-compatible, Datapont 1200  Basic, Cobin  Manufacturing distribution  Charges based on contract and transaction type  No monthly minimum  No monthly minimum  Su of time to response.	Comshers (Commander I)  Conversational  Banking, engineering, mathialistics, the openity programs datalistics, the openity programs Genring the U.S. from Ann Arbor M.  8 Xerox 940s (64K 24-bil words) Most ASCII terminals to 60cps Assambly, 8 slic, Forriran, Brobol	Comshars (Commander I)  Conversational, remote batch  Human resource mgmt, accounting, helphose accounting, helphose forminancial, mish Berring the U.S., Caneda, Berring the U.S., Caneda, Ando M.R. Rexiste CN, London, Talyo  6 Xeriox Signes 98 (\$1,20,53)  ASCRI terminats to 120cps; IBM 2705 comparisher  Financial-oriented  No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start	Commans Ltd. (Command on Ch.V)  Conversational, remote be CHLE, require response to CHLE, require response to the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participation of the characteristic participa
Pendor  Barvices Pres Applications  Geography  Facilities Geography  anguege-packages Halla bases available rating training Halla bases available rating training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training training tra	Computors Systems  Transaction processing Computer-assisted salling, linear programming, scientific applications Benning the U.S. from Attains QA.  BM 350/95 (1Mb) Computers TI 700, various sall transactions Section 11 700, various sall transactions Section 11 700, various sall transactions Section 11 700, various sall transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Section 11 700 transactions Sect	Comserv (AMAPS, CAS III)  Transaction processing (on-line of batch)  Transaction processing (on-line of batch)  Research of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	Comshers (Commander I)  Conversational  Banking, angineering, mathitished in the party programs  Sarring the U.S. Irom Ann Arbor Mi  8 Xerox 940s (64K 24-bit Most ASCII terminals to 60cps  Assembly, Basic, Fortran, Good	Comshars (Commander I)  Conversational, remote batch  Human resource mgmt, acconting, helphose acconting, helphose acconting, helphose Berroig the U.S., Canede, Berroig the U.S., Canede, Ando M.R. Rexiste C.M., London, Talyo  6 Xeriox Signes 98 (\$1,20,00)  ASCRI terminats to 120cps; IBM 2790 comparable  No charge for start up  No monthly initiating  No charge for start up  No monthly initiating  No charge for start up  No monthly initiating  No start to 50.05 per division its source  Start of the Start up  No monthly initiating  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up  No charge for start up	Comshare Ltd. (Command and GP-V)  Conversational, remote be CNHE, major response to CNHE, major response to CNHE, major response to the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party properties of the party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party pa
Mendor  Garvices Pype  Applications  Gaography  Facilities  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Computers  Comput	Computors Systems  Transaction processing Computer sanished saling, linear programme, scienticl applications Service this U.S. from Atlants QA  BM 380/95 (1MB) Computors 11 TOQ various seed services Sociol to \$1000 starting \$500 to \$1000 starting \$500 roughly minimum \$400 reports or \$6.75 ress.	Comserv (AMAPS, CAS III)  Transaction processing (de-line or batch)  Makerical recurrements planning, accoming, order entry  Serving Mannespolies SJ, Paul,  Chicago and Maheauke from Mannespolie Mile  IBM 3801/65, 2 IBM 3807 40a  Ity 331/35-compatible, Datapont 1200  Basic, Cobin  Manufacturing distribution  Charges based on contract and transaction type  No monthly minimum  No monthly minimum  Su of time to response.	Comshers (Commander I)  Conversational  Banking, anginerong, mathidations, the diparty programs  Banking, the diparty programs  Banking, anginerong, mathidations  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Banking Information  Serving Inst. Information  October Inst. Information  Information  Information  Serving Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information	Comshars (Commander I)  Conversational, remote batch  Human resource regent, seconding, interphone resource regent, seconding, interphone resource regions, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource, interphone resource,	Comshare Ltd. (Command and Ch-V)  Conversational, remote be Chill. Require response to Chill. Require response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response to the child response
Vendor Sarvices Type Applications	Computors Systems  Transaction processing Computer sanished saling, linear programme, scienticl applications Service this U.S. from Atlants QA  BM 380/95 (1MB) Computors 11 TOQ various seed services Sociol to \$1000 starting \$500 to \$1000 starting \$500 roughly minimum \$400 reports or \$6.75 ress.	Comserv (AMAPS, CAS III)  Transaction processing (derine or batch)  Makerial requirements planning, accoming, order entry  Serving Mannespolies (2), Paul,  Chicago and Mahesakes from Mannespolie Ms  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2 IBM 380140a  III MM 380165, 2	Comshere (Commander I)  Conversational  Banking, engineering, mathelatistics, the departy programs elatistics, the departy programs (Including enemal intertien)  Serving Intelligence (Including enemal intertien)  Serving Intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including enemal intelligence (Including ene	Comshars (Commander I)  Conversational, remote batch  Human resource regent, accounting, interphone accounting, interphone for the Commander III  Berving in U.S. Caneda, Berving in U.S. Caneda, Andro MI, Resdate CNI, London, Tolyo  6 Xerox Signs 9s (6) 12X(8)  ASCRIPT, Fortran, Cobol, Basemby, Fortran, Cobol, Basemby, Fortran, Cobol, Basemby, Fortran, Cobol, Basem, report generator  Financial oriented  No charge for start-up  No matthly initiates U.S. 50.14 to \$0.55 min, Inil, 35 to \$5 hoor  Leg per System Resource  50.0025 to \$0.01 /day per  block	Comshare Ltd., (Command and GP-V)  Conversational, remote ball CNE, mojoir response to the CNE, mojoir response to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control
Fendor  Services  Type  Applications  Secorably  Facilities  Secorably  Facilities  Angueges/packages  Intellige  Secorably  Facilities  Angueges/packages  Intellige  Second Fendor  Angueges/packages  Intellige  Second Fendor  Angueges/packages  Intellige  Angueges/packages  Intellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tellige  Tell	Computors Systems  Transaction processing Computer sanished saling, linear programme, scienticl applications Service this U.S. from Atlants QA  BM 380/95 (1MB) Computors 11 TOQ various seed services Sociol to \$1000 starting \$500 to \$1000 starting \$500 roughly minimum \$400 reports or \$6.75 ress.	Transaction processing (de-line or batch)  Transaction processing (de-line or batch)  Transaction processing (de-line or batch)  Basical requirements planning, accoming, order entry  Serving Mannespolies SI Paul,  Chicago and Maleuskee from Mannespolies Miles  BM 380/65, 2 IBM 380 / 40a  Ity 33/35-compatible, Datapent 1200  Basic, Cobol  Basic, Cobol  Charges based on colitact and transaction lyas  No monthly minimum No miles of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the process	Comshers (Commander I)  Conversational  Banking, anginerong, mathidations, the diparty programs  Banking, the diparty programs  Banking, anginerong, mathidations  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Banking Information  Serving Inst. Information  October Inst. Information  Information  Information  Serving Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information	Comshars (Commander I)  Conversational, remote batch  Human resource regent, accounting, interphone accounting, interphone for the Commander III  Berving in U.S. Caneda, Berving in U.S. Caneda, Andro MI, Resdate CNI, London, Tolyo  6 Xerox Signs 9s (6) 12X(8)  ASCRIPT, Fortran, Cobol, Basemby, Fortran, Cobol, Basemby, Fortran, Cobol, Basemby, Fortran, Cobol, Basem, report generator  Financial oriented  No charge for start-up  No matthly initiates U.S. 50.14 to \$0.55 min, Inil, 35 to \$5 hoor  Leg per System Resource  50.0025 to \$0.01 /day per  block	Comshare Ltd., (Command and GP-V)  Conversational, remote ball CNE, mojor response to the CNE, mojor response to the CNE, mojor response to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party
Vendor  Service  Service  Geography  Facilities Compright  Facilities Computers  Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Servi	Computors Systems  Transaction processing Computer sanished saling, linear programme, scientic applications Service this U.S. from Atlanta GA.  BM 380/36 (1MB) Computors 17 TXQ various sed terminals  5000 to \$1000 start-up \$500 methy minimum \$400 reports or \$675 rems	Transaction processing (de-line or batch)  Transaction processing (de-line or batch)  Transaction processing (de-line or batch)  Basical requirements planning, accoming, order entry  Serving Mannespolies SI Paul,  Chicago and Maleuskee from Mannespolies Miles  BM 380/65, 2 IBM 380 / 40a  Ity 33/35-compatible, Datapent 1200  Basic, Cobol  Basic, Cobol  Charges based on colitact and transaction lyas  No monthly minimum No miles of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the processing of the process	Comshers (Commander I)  Conversational  Banking, anginerong, mathidations, the diparty programs  Banking, the diparty programs  Banking, anginerong, mathidations  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Serving Inst. Information  Banking Information  Serving Inst. Information  October Inst. Information  Information  Information  Serving Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information  Serving Information	Comshars (Commander I)  Conversational, remote batch  Human resource mgmt, acconting, helphose acconting, helphose acconting, helphose Berring the U.S., Cinede, Berring the U.S., Cinede, Ando M.R., Rexiste CN, London, Talyo  6 Xeriox Sigms 9s (\$1,20,53)  ASCRI terminals to 120cps; IBM 2790 comparisher  Financial-oriented  No charge for start up  No methyl politimus  No charge for start up  No methyl politimus  Sto 500 per d'ivelen flasource  50,0025 to 60,01/day per  bots	Comshare Ltd., (Command and GP-V)  Conversational, remote ball CNE, mojor response to the CNE, mojor response to the CNE, mojor response to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party proposed to the party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party party
Mendor  Christias  Type  Applications  Geography  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Caspraphy  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  Facilities  F	Computors Systems  Transaction processing Computer-assisted saling, linear programming, scientific Special States of the U.S. from Atlanta O.A.  IBM 380785 (1MI) Computers 17 700, various socio terminals  500 to \$1000 start-up 550 meetily milimum 1400 meetil or \$6.75 mee.	Transaction processing (on-line or batch)  Material requirements planning, accoming, order entry  Barving Minneapolis SL Paul, Maring Minneapolis SL Paul, Minneapolis MN  18M 380/46, 2 18M 380/40  11y 33/39 compatible, Dalspoint 100  Basic, Cobol  Manufacturing distribution  Charges based on coeffact and transaction type  The monthly maintenance  50 20 /ml scr bayery  51 /month per 7000 character from the per 7000 character  51 /month per program	Comshers (Commander I)  Conversational  Banking, engineering, mathitistics, the diptrity programs  And the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second	Comshars (Commander I)  Conversational, remote batch  Human resource mgmt, acconting, helphose acconting, helphose acconting, helphose Berring the U.S., Cinede, Berring the U.S., Cinede, Ando M.R., Rexiste CN, London, Talyo  6 Xeriox Sigms 9s (\$1,20,53)  ASCRI terminals to 120cps; IBM 2790 comparisher  Financial-oriented  No charge for start up  No methyl politimus  No charge for start up  No methyl politimus  Sto 500 per d'ivelen flasource  50,0025 to 60,01/day per  bots	Comshare Ltd., (Command and Gr-V)  Conversational, remote bat Child, including the Child, including the Child, including the Child, including the Child, including the Child, including the Child, including the Child, including Canada Iron Bram, ON  2 Xerox Signa 9e (1MB)  ASCII Incremista to 120pp., 2720- and 1Ma9 formulat  AFL, Base, Cobel, Fortus, 2720- and 1Ma9 formulat  AFL, Base, Cobel, Fortus, Assembly, Moyendon, 1MB, Child, 1MB, Child, 1MB, 1MB, 1MB, 1MB, 1MB, 1MB, 1MB, 1MB



yandor	Concep Computing Systems	Continentel Illinois Benk & Trust	Control Dete (Cybernet . Services)	Deta-Tek	Detecrown
Services Typs	Conversetionel	Conversational, inquiry response, CRJE	Conversational, CRJE, remote batch, date entry, inquiry	Conversational, remote batch	Conversational, remote batch transaction processing
Applications	Civil end structural engineering, eutometic drafting, plotting, general business	Benking end general-purpose	response Structural enelysis, engineering, stetisticel, nucleer, petrochemicel, power engineering	Finencial modeling, HMO, statistics, subscription fulfillment, municipal bonds	Program development, date base, project management, date entry, simulation
Geography	Serving the U.S. from Oeklend CA	Serving the U.S. from Atlente, Boston, Beltimore, Pittsburgh, LA, Weshington, end NYC	Serving the U.S., Cenede, Europe, Austrelie, So. Africe and Brezil from 17 intl. locations	Serving central and eastern Pennsylvenia, New Jersey and New York from Philadelphia PA	Serving the U.S. and Canada from Willowdele ON
Facilities Com: "8	Satellite (based on DEC PDP-	DECsystem-10s	CDC 170, CDC 6000 Series, Cyber 70, Cyber 76	HP 3000 II Mod 8 (512KB)	3 IBM 370/168e (9MB)
Tere - s supported	ASCII terminels to 300baud	ASCII terminels to 300beud	tty to 120cps; IBM 2741; RJE	Interactive to 120cps; IBM	tty, IBM 2741/3270 to 30cps
Lan Lies/packages	Fortren	APL, Besic, Fortren, Cobol	to 4800beud; HASP 9800beud APL, Algol. essembly. Besic, Cobol, Fortren	2780-competible Besic, Cobol, Fortren, SPL, RPG II	RJE to 50,000 bpe Assembly, Cobol, PL/1, Forti
Os: :ses evelisble	-	Telstet's security dete, municipel end government bond grid, RMA	Technology, economic indicetors and indices	-	-
Pn					
St. > Minimum	\$100 charge for start-up No monthly minimum	No cherge for start-up \$75 to \$150 monthly minimum	No cherge for stert-up \$100 for interective	\$50 cherge for stert-up \$25 monthly minimum	No cherge for stert-up No monthly minimum
To al connect	\$18/hour (surcharge for WATS	\$10/hour	\$9 to \$18 per hour plus \$0.10	\$9 to \$12 per hour	\$3 to \$12 per hour
C - processor	service) \$0.22 cpu unit	\$0.05 per Resource Unit	to \$0.25/1KB of I/O \$0.18 to \$0.45 per system billing unit	\$0.07 to \$0.08 per cpu second	\$20/minute
O liorage	-	\$0.04/dey per 3200 cherecters	\$0.013 to \$0.016/dey per 1280 cherecters; \$3/dey per block \$12KB	\$0.40/month per 1KB	\$0.012/dey per treck or \$80 mo for 5000 trecks
T. storage C	S0.03/storage unit	— \$0.11 per Dynebenk Software Unit	-	\$2/mount; \$5/month storage 25% discount for off-hours	\$0.09/dey
C ments	Introduced in 1988	Introduced in 1969	Introduced in 1964	Introduced in 1971	Introduced in 1972
Ve or					
	Dataline Systems	Detelogice	Dielcom	Dynabenk	First Netionel Benk
Scistoes Typid	Conversational, CRJE, transaction entry, Inquiry	Conversational, CRJE, remote betch	Conversational	Dynabenk  Conversational, CRJE, Inquiry response	Conversational, CRJE, inquir
	Conversational, CRJE	Conversational, CRJE, remote		Conversational, CRJE, inquiry response  Portfolio menagement, credit	Conversational, CRJE, Inquis
Type	Conversationel, CRJE, transaction entry, inquiry response, batch Finercial, angineering, graphics, text processing tex,	Conversational, CRJE, remote batch  Accounting, benking, brokerage, education,	Conversational  Meth-statistics, business, inventory, circuit enalysis, letter	Conversational, CRJE, inquiry response Portfolio menegement, credit enelysis, trust, marketing.	Conversational, CRJE, inquiresponse Bond portfolio, interactive
Type! Applications	Conversational, CRUE, treasaction entry, inquiry response, batch Financial, sognieering, graphics, text processing tex, eccounting for lewyers Serving the U.S. end Cenede	Conversational, CRUE, remote batch batch Accounting, banking, braharsp, education, engineering, finece, others Serving Ohio, Illinois, New York end Pensylvenia from Clevelend OH  Xerox Sigma 7 (128K 32-bil	Conversational  Math-statistics, business, sweetery, circuit energysis, setter recking  Serving the U.S. and Europe from Salver Springs MD  2 Prime 400s, 7 Honeywell	Conversational, CRJE, inquiry response  Portfolio menegement, credit enelysis, trust, merketing, operational services  Serving the U.S., merketed by	Conversational, CRJE, inquiresponse Bond portfolio, interactive graphics, banking applicato
Typid Applications Geography Facilities	Convensioned, CRJE, trensaction entry, legury trensaction entry, legury trensaction entry, legury trensaction, and processing framework trensactions of the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensaction to the trensacti	Conversational, CRJE remote batch Accounting, benning, Accounting, benning, Accounting, benning, and accounting, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning, benning	Conversational Math-institute, brainess, inventory, circuit establish, letter tracking Serving the U.S. and Europe from Silver Springs MO 2 Prime 400s, 7 Honeywell 1646As white Additional Control of the Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and Control 1644As and	Conversational, CRJE, Inquiry response Portfolio menagement, credit energy sis, trust, marketing, operational services Service the U.S. merketed by 3 member banks	Conversational, CRUE, inquir response Bond portfolio, interactive graphics, banking applicato Serving the U.S. Irom Colum CH
Type: Applications Geography Facilities Computers	Conversations, CRLE, researcion ettly, lequiry response, betch Preventa, soqueression response sourcession response sourcession response sourcession response sourcession response sourcession de DECsystem-Ibn ASIGI termenal to 120cps; IBM 274 competition API, ApI, Api, Respic Code), API, Api, Api, Respic Store), API, Payres, Lipp. Semis, Store), API, Carryes, Lipp. Semis, Store), API, Payres, Lipp. Semis, Store), API, Payres, Lipp. Semis, Store), API, Semis, Store), API, Api, Semis, Store), API, API, API, API, API, API, API, API,	Conversational, CRUE, remote batch has convenient, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, brain	Conversational Meth-statistics, brainers, inevertory, circuit enabysis, letter tracking servings of the control of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control servings of the control	Comversationel, CRUE, Inquiry response. Portfolio mesagement, credit enelysis, Irvat, merketiloo, operational services. Sarving the U.S., merketed by 3 member banks.  DECaystem-10	Conversational, CRUE, inquir response Bond portiolo, interactive graphics, beaking application Serving the U.S. from Colum OH  DEC PDP-10  ASCII and EBCDIC terminish
Tyuk Appinatione Geography Facilities Computers Termnels supported Lenguages/packages Otto bases evoliable	Conversational CRLE.  Conversational CRLE.  Conversation ethic, loquiry response, botton Fineccial, againsering, graphics, lest processing text eccounting for length ethics.  Serving the U.S. and Cenade from Trondo ON  4 DECsystem-109  AGCI terminals to 120cps: 8M4 274 competible An ARIA Acol Seec, Cobol.	Conversational, CRUE, remote betch. Accounting, benking, brokerage, education, sugmentering, lamous, others sugmentering. Inside, other work and Pansaylvene from Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Other Cilerature Oth	Conversational Math-statistics, brainess, inevatory, crout exhysis, tester stacking Sarvoig Br U.S. and Europe tom Silver Gornas MD  2 Prime 400a, 7 Honeywell 1646Aa AGGI terminals to 3000 and; 1514 Gened Correspondence, 1514 Gened Correspondence, Assembly, Best, Cobel,	Conversatione, CRJE, in quiry response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response	Conversationel, CRJE, Inquiresponses Boad portfolio, interactive graphics, benking applicato Sarving the U.S. trom Colum Ort  DEC PDP-10  ASCII and EBCDIC terminals 120cps and 4500esed Beac, Fortrac, Cobbl. Lipp., Cobbl. Lipp.
Type Approximate Geography Facilities Computers Terminals supported Lenguages (packages One bases evaliable Pricing	Conversations, CRLE, researcion ettly, lequiry response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, betch response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, response, respons	Conversational, CRUE, remote batch has convenient, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, brain	Conversational  Meth-statistics, brainess, ineventors, circuit sealysis, letter tracking ineventors, circuit sealysis, letter tracking in the state of the sealysis of the sealysis of the sealysis of the sealysis of the seal seal seal seal seal seal seal sea	Conversatione, CRJE, inquiry response Portfolio neespened, credit energipal, rotal marketion, operational enrices Sarring the U.S. marketed by 3 member banks DECaystem-10 ASGII or EBCDIC terminals Fortm., Beale, Cobol, Mecro, AID, Lisp Telstef, Robert Morris Associates dels bank	Conversational, CRJE, Inquiresponse response Bood portiolo, interactive graphics, beating application Graphics, beating application CH U.S. trom Colum CH 2002 and 60000000 Book, Partine, Colon Lisp, Materia
Tyuk Approatone Geography Facilities Computers Termnels supported Languages packages Onto bases evaliable Prickey Bitter up	Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversational CPLE. Conversat	Conversations, CRUE, remote batch has been continued, bearing, bearing, bearing, bearing, bearing, bearing, bearing, bearing, bearing, billions, here 'onk and Penaghirams from Cilerations of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of the Continued of th	Conversational Meth-statistics, business, inventory, fictoria etalysis, letter tracking sometimes of the U.S. and Europe som Silver Springs MD  2 Prime 400s, 7 Honeywell 1444As Assambly, Best, Codel Assambly, Best, Codel Assambly, Best, Codel Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert R.E. Robert Report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report particular report p	Compressiones, CRUE, Inquiresponse Portfolio meagement, credit enelysis, rust, marketing, operationis services Sarring the U.S., marketed by 3 member beaks DECoystem-10 ACRI or EBCDIC terminals Portres, Basic, Cobol, Mecro, AD, Lisp Telesel, Robert Morris Associates dete beak No charge for start-up	Conservations, CRUE, Inquiresponse Bood portion, interactive registics and supportion of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con
Type Approximate Geography Facilities Computers Terminals supported Lenguages (packages One bases evaliable Pricing	Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE.	Conversational, CRJE, remote self-on the self-on testing, bensing, bensing, bensing, bensing, bensing, bensing, bensing, bensing, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension, bension,	Conversational Meth-atelistics, business, inventory, fictoria etalysis, letter trecking Serving the U.S. and Europe som Sitver Springs MD  2 Prime 400s, 7 Honeywell 1646A Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Codel, Assembly, Basic, Solver, report part of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of the Code of	Compressione, CRJE, Rigury response Portfolio meragement, credit embeysis, rout, markerland, operationis services Serving the U.S., markered by 3 member beeks DECosystem-10 ASCB or EBCDIC terminals Fortran, Bosic, Cobol, Mecro, AD, Lisp Telased, Roberts Moortis Associates dide task No charge for start-up Monthly minimum veries \$10 per hores	Conservations, CRUE, Inquiresponse Bood portion, interests Bood portion, interests Bood portion, interests Bood portion, interests Sarveg the U.S. trom Colum Oil DIC PDP 10 Addit well BICCIC Immunity ISOpps and 45000eal Bases, Pertra, Coled Lisp, Marco Saccuriles prices No charge for startup \$50 ms for software \$10 per how
Tyue Approximate Geography Facilities Computers Terminals supported Languages (packages Onto bases evaliable Pricing Sters up	Conversations, CRLE, researcion ettly, lequiry response, betch Provincia, sequiressing response, betch Provincia, sequiressing response, betch Provincia, sequiressing response de Conversation for leveytra formation 10.5 and Consider formation 10.5 and Consider formation 10.5 and Consider ADD, MR, Alpoit Bessic, Codeol, Partner, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Codeolity, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Society, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, Seminis, Provincia, Lies, S	Conversational, CRUE, remote batch has convenient, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, brain	Conversational Meth-adeldice, business, inventory, circuit enabysis, letter tracking inventory, circuit enabysis, letter tracking Servag the U.S. and Europe tom Silver Springs MD  2 Prime 400s, 7 Honeywell 1648A AGCI terminals to 300-band; 1700-band RE, Assambly, Beslic, Cobol, Forters, Teach, Solve, report FAPRS  No charge for stert up \$55 monthly minimum \$55 to 58 per hord No separate charge	Conversatione, CRJE, Inquiry response Portfolio menagement, credit enelogist, rotal marketing, operational services Sarring the U.S., marketed by 3 member basks  DECaystem-10 AAGII or EECINC terminals  Fortren, Besic, Cobol, Mecro, AD, Lisp Telstert, Robert Morris Associates del bask  No charge for stert-up Monthly minimum venes \$10.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit	Convertations, CRJE, Inquiresponse Boad portiols, Inferestria graphics, banking application Sarvage the U.S. from Column DEC POP-10 ASCI and EBECCIC Immension DEC POP-10 Beac, Portian, Code Lisp, Macro Securities prices No charge for attartup \$50 min for admissre \$50 per hore \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of ban
Type Approximate Geography Facilities Computers Terments supported Languages (packages Obto bases evollable Phickag Geory Monthly mannum Terment connect	Conversations, CPLE, Conversations, CPLE, Venacion ettly, Inquiry resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, respos	Conversational, CRJE remote series in the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the se	Conversational  Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-s	Conversationes, CRJE, in quiry responses Portfolio neengement, credit energivals, trust universition, operational services Sarring the U.S. merketed by 3 member banks DECaystem-10 ASCII or EBCDIC terminals Portrea, Besic, Cobol, Macro, AD, Larg Tesical, Robert Morris Associates dete bank No charge for start-up Monthly minimum venes \$10 per hour \$2.00 Sper headware unit \$2.01 per softwere \$2.00 Sper headware unit \$2.01 per softwere	Conversations CRJE, Inquirespones Boad particle, Inferentive graphics, beating application propriate to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Tyue Approachose Geography Facilities Computer Temmels supported Languages packages Oate bases evaliable Pricing Bers up Monthly minimum Temmels Computer Temmels Computer Central processor	Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE. CRUE.	Conversational, CRUE, remote batch Accounting, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining, braining,	Conversational Meth-adeldice, business, inventory, circuit enabysis, letter tracking inventory, circuit enabysis, letter tracking Servag the U.S. and Europe tom Silver Springs MD  2 Prime 400s, 7 Honeywell 1648A AGCI terminals to 300-band; 1700-band RE, Assambly, Beslic, Cobol, Forters, Teach, Solve, report FAPRS  No charge for stert up \$55 monthly minimum \$55 to 58 per hord No separate charge	Conversatione, CRJE, Inquiry response Portfolio menagement, credit enelogist, rotal marketing, operational services Sarring the U.S., marketed by 3 member basks  DECaystem-10 AAGII or EECINC terminals  Fortren, Besic, Cobol, Mecro, AD, Lisp Telstert, Robert Morris Associates del bask  No charge for stert-up Monthly minimum venes \$10.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit \$20.0 per headener unit	Convertations, CRJE, Inquiresponse Boad portiols, Inferestria graphics, banking application Sarvage the U.S. from Column DEC POP-10 ASCI and EBECCIC Immension DEC POP-10 Beac, Portian, Code Lisp, Macro Securities prices No charge for attartup \$50 min for admissre \$50 per hore \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of bandware \$50 per note of ban
Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approximate Approx	Conversations, CPLE, Conversations, CPLE, Venacion ettly, Inquiry resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, betch resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, resposs, respos	Conversational, CRJE remote series in the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the se	Conversational  Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-s	Conversationes, CRJE, in quiry responses Portfolio neengement, credit energivals, trust universition, operational services Sarring the U.S. merketed by 3 member banks DECaystem-10 ASCII or EBCDIC terminals Portrea, Besic, Cobol, Macro, AD, Larg Tesical, Robert Morris Associates dete bank No charge for start-up Monthly minimum venes \$10 per hour \$2.00 Sper headware unit \$2.01 per softwere \$2.00 Sper headware unit \$2.01 per softwere	Conversationer, CRJE, Inquiresposes Bood portiols, Inferestive graphics, beating applicable Serving the U.S. from Colum CH  DEC POP-10  ASCI and ESCOTC termination DEC POP-10  ASCI and ESCOTC termination DEC POP-10  Securities prices  No charge for start-up Sociation prices SIO get hour SIO Oper wind of hardware resources SIO Oper hour
Figure Approximates Geography Facilities Computers Terrimote supported Languages / packages Oate bases evallable Pricing Sters up Amothy mismum Terminal connect Central processor Oak storage Oak storage	Conversations, CRUE. Conversations, CRUE. Conversations, CRUE. Conversations, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE, CRUE,	Conversational, CRUE, remote batch Accounting, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, benking, b	Conversational  Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, business, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-settatics, Main-s	Conversationes, CRJE, in quiry responses Portfolio neengement, credit energivals, trust universition, operational services Sarring the U.S. merketed by 3 member banks DECaystem-10 ASCII or EBCDIC terminals Portrea, Besic, Cobol, Macro, AD, Larg Tesical, Robert Morris Associates dete bank No charge for start-up Monthly minimum venes \$10 per hour \$2.00 Sper headware unit \$2.01 per softwere \$2.00 Sper headware unit \$2.01 per softwere	Conversationer, CRJE, Inquiresposes Bood portiols, Inferestive graphics, beating applicable Serving the U.S. from Colum CH  DEC POP-10  ASCI and ESCOTC termination DEC POP-10  ASCI and ESCOTC termination DEC POP-10  Securities prices  No charge for start-up Sociation prices SIO get hour SIO Oper wind of hardware resources SIO Oper hour



Vendor	Fulton Data Systams	General Electric (Merk III Service)	HDR Systems	Hobbs Associates	Honeywell (Datanelwork)
Sarvicas				ALL PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	W
Type	Conversational, remots batch				
	Conversational, ramots batch	Conversational, remote batch,	Conversational, CRJE, remote	Conversational	Conversational, CRJE, remot
		CRJE	batch		batch Catolina
Applications	Engineering, math, accounting,	Financial, simulation, math,	_		
	payroll, inventory, sales	scientific, sngr., petrochsmical,	Turnkey applications in	General applications with	Financa, management.
	analysis, aducation, banking	acientino, angr., patrochamical,	anginsaring, text aditing for	emphasis on hospital and	manufacturing, engineering,
	analysis, consention, banking	real estats, insurance, hospital admin	sps cification writing, business	medical	math-statistics, graphics
Geography	Sarving the aoutheastern U.S.				
	Irom Atlanta GA	Serving U.S., Canada, and Intl. from Clavaland OH, Rockvilla	Serving Nabraska and adjacent	Serving southern California	Serving the U.S. and Ceneda
		MD, and Amsterdam	states from Omeha NB	from Newport Beach CA	from Minneapolis MN
		MD, and Amsterdam			
Facilities					
Computers	Honeywsll 8080 (256K 38-bit	15 Honsywell 8086s; 2 IBM	CDC 6400 (64K 60-bit words)		
	words) dust processors	370/156s	CDC 6400 (64K 60-bit words)	Hewlett-Packard 2000	Honeywell 6080 (640K 36bit
	1				words)
Terminals supported	ASCII terminals to 120cps,	ASCII terminals to 120cps,			
	correspondence at 15cps, IBM	correspondence at 15cps.	tty-compatible to 30cps, CDC	tty 33/35/37 or squivalent	ASCII to 120cps,
	2780 at 2400baud	batch to 4600bps	200UT/731 to 2400baud, crts		correspondence at 15cps, R.
Languages/packages	Basic, Fortran, Algol.	Algol, APT, Basic, Cobol,			to 9600baud
	assembly, Cobol, Jovial	Simecript, PL/1, Fortran, Gmap	Conversationat: APL, Basic, Fortran, Cobol: Batch: Fortran	Basic, Cobol, raport generator	Algol, Basic, Cobol, Fortran,
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o-morrips, r.c.r.s, rostrain, Gillap	Cobol		Jovial
Data bassa available	l -	Commodities, securities.	Copoi		
		currency exchange, SPSS		-	- 4
Pricing					
Start-up	\$100 charge for start-up	\$100 start-up charge	No charge for start-up	Mark to the second	
Monthly minimum	No monthly minimum	\$100 U.S., \$50 Canada	\$100 monthly minimum	No chargs for start-up	\$100 charge for start-up
Terminal connect	\$8 per hour	\$22 to \$4/hour, plus \$0 35 to	\$5.35 to \$10.70 per hour	No monthly minimum	\$200 monthly minimum
		\$0.15/1KB I/O	80.30 to \$10.70 per nour	\$5 to \$6 per hour \$740/month	\$12 per hour
Central processor	\$0.03 per cpu unit	\$0.155 to \$0.13 par resource	\$0.07 per System Resource	for private line	
		unit	Unit	_	\$0.10 per cpu messure; \$0.10
Disk storags	\$1/month psr 1260 characters	\$0.125 to \$0.03/atorags unit	\$0.0065/day per 840		per memory unit
			charactera	\$0.20/month psr 128 characters	\$0.095 to \$0.50/month per
Taps storage	_	\$5/month	_	crisractera	block
Other				_	-
Commente					
Commanta	Introduced in 1967	Introduced in 1965	Introduced in 1972	Introduced in 1969	Introduced in 1972
998, . 308					
Vandor	IBM Canada	Informatics	Information Consultants	Information Systems Design	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH
The state of the same					Information Technology
			The Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Part of the Pa	(ISD)	(Infotech)
Services					
Typa	Convergational remote batch	Commence of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr			
	Convargational, remote batch, CRJE	Conversational, remots batch, inquiry response		Remote batch, CRJE, conversational	Conversational, interactive, or

			minocecsa in 1972	Introduced in 1969	Introduced in 1972
Vendor	IBM Canada	Informatica			2000
· Ma	Schools property A. T. B.	Informatics	Information Consultants	Information Systems Design (ISD)	Information Technology (Infotach)
Sarvicas			The American		72.7.75000000000
Typa	Convariational, ramote batch,				
1300	CRUE CRUE	Conversational, remots batch, inquiry response	Conversational, CRJE, remote batch	Remote batch, CRJE, conversational	Conversational, interactive, lins
Applications	Scientific, engineering, commercial, civil engineering, marketing, scotg., graphics, ascurities	General, distribution industry services, data and microlism ratrieval, litigation support, stc.	Gensrel, emphasia on problem activing and use of turnkey applications	Structural and electrical angineering, text aditing, dbms, graphica	Order processing, mass marketing and promotion, criminal and courts, elsctron
Geography	Serving Canada from Montreal, Toronto, Calgary, and Vancouver	Serving the U.S., Canada, and Eupors from Fairfield NJ, Columbus OH, and Rockville MD	Serving the U.S. from Weshington DC	Serving the U.S. from Senta Clara CA	mail, dbms Serving the U.S. Irom Cambridge MA
Facilities					
Computera					
	IBM 370/156 in sach center, plus 370/145 and 370/166 in Toronto	3 IBM 370/156a, 2 370/168s	Two DECsystems KA 10 and 2050 (256K 36-bit words)	5 Univec t108s (282K 36bit words each)	DEC PDP-11, Data General ECLIPSE, IBM Series 1
Terminals supported	ASCII to 30cps; IBM 2741; 3787; IBM 3720 to 4600baud	ASCII terminals to 30cps, IBM 2741/2780 HASP workstations	ASCII to 120 cps; EBCDIC and correspondence at 15 cps; IBM 2760	tty-compatible to 120cps; batch terminals to 9800baud	Most ASCII crts or printers
Languagea/packagas	Basic, Fortren, PL/1, Cobol, VS/Basic, VS/APL, assembler	Assembler, Basic, Cobol, Fortran, PL / 1	APL, Basic, Cobol, Fortran, Lisp, Mscro, Snobol	Fortran, APL, Basic, Cobol Algol, assembly	MIIS, Mumps Dialect
Date basss available	Financial, Troll (economic modeling), CANSIM	Electric power R&D, environmental, population, highway safety	-	- 1	
Pricing					
Start-up	No charge for start-up	\$100 chargs for start-up	No charge for start-up	A400 -1	
Monthly minimum Terminal connect	\$130 minimum for Call / CMS \$19.30 to \$14.60 / hour plus min \$4.75 for 300bos	No monthly minimum \$8 to \$18 / hour	No monthly minimum \$6 to \$9 per hour	\$100 charge for start-up \$50 monthly minimum \$5 to \$15 per hour plus \$1	Pricing information unevailable
Central processor	\$18.70/min interactive; \$9.35 batch; \$43 166	\$0.10 to \$0.05 par resource	\$0.0067 to \$0.001 per Computer Resource Unit	\$0.16 per resource unit, \$195/	
Disk atorags	\$0.16 per cylinder/hour, \$0.76	\$16 to \$35 par cylinder, \$2/	\$0.01/day per 840 characters	month for port \$5/day per track for	
Tage storage	per cylinder/day	hour temporary storage		cataloguad storage	
Other	-	Main mamory: \$1.25/hour per 64KB above 320KB	\$6 par month	\$1 to \$2 for tape mounting 25% and 50% discounts for off- hours	17.3
Commanta	RJE Introduced in 1967; interactive in 1969	Introduced in 1971	Introduced in 1973	Introduced in 1986	Introduced in 1978



Vandor	Insco Systems	Interective Deta	Interactive Sciences	ITEL (Utility Data Services)	Mark/OPS
Sarvicas					The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Тура	Conversational, ramote batch	Conversational, inquiry, CRJE	Conversational, CRJE, deterred processing	Conversational, ramota batch, CRJE	Convaraational, remote bate transaction entry, inquiry
Applications	Math-statistics, business, report generatore, simulation, dbms, graphics	General applications, amphasis on financial applications and data management	General, emphasis on problem solving and use of turnkey applications for management	Engineering, business, management, financial planning, math, dbms	administrative O.C. financi
Зеодгарну	Serving the U.S. from Neptune NJ	Serving the U.S. and U.K. from Waitham MA	Serving the U.S. from Braintree MA	Serving the U.S. from Washington, Chicago, Kanaas City KS, Lynchburg VA, and	inventory Serving the New England a mid-Atlantic states from Ne York City and Boston MA
				Metuchen NJ	
acilities omputers	IBM 370/158, 370/188, 360/85	2 IBM 370/168e (8MB)	5 DECeystem-10s and 3 DECeystem-11s (256K 38bit	CDC 7600, Cyber 73, Univac 1108, Univac 1110, 2 IBM 370/	DEC PDP-10, PDP-11
orminsle supported	ASCII to 120cpa; IBM 2741; IBM 2770, 2760, 3770, 3780	ASCII to 1200baud; tty, IBM 2741, 2780, 3780 to 4800baud	words) Terminals to 300baud; ASCII; BCD; Mohawk 2400; IBM 2780	156e ASCII to 1200baud; bisynch to 9800baud; CDC UT200, Univac 1004	ASCII to 30cps, IBM 2741- compatible, 2400baud batc
anguages/peckages	APL, assembler, Basic, Cobol, Execmod, Fortran, PL/1, RPG	Assembly, Basic, Cobol, Fortran, PL / t, Xsim, Xdms	AID, assembly, Basic, Cobol, Fortran, Lisp	Algol, Basic, Cobol, PL/1, Fortran, APL	Basic, Fortran IV, Cobol, Macro, Trac, Magic-II
- sta basos available	-	financial data, including letest atock prices, and economic data	-	Canadian and U.S. census deta	- ~,
ricing cart-up	\$100 charge for start-up	No charge for start-up	No charge for start-up	No charge for start-up	No charge for start-up
onthly minimum rminal connect	No monthly minimum \$8/hour for VM/CMS; \$100/ month for port	No monthly minimum \$13 per hour No charge for 2780 or 3780	No monthly minimum \$6 to \$9 per hour	\$20 minimum (for Univac) \$20 to \$7 / hour; private line \$500 / month	No monthly minimum \$2 to \$10 per hour
intral processor	\$0.675 to \$1.75 per core usage unit \$10/month par cylinder ce-line:	\$7 per hour plus \$0.13 per unit \$17.50 to \$50/month per	\$0.0067 to \$0.01 per Computer Resource Unit \$0.01/day per 640 characters	\$0.07 to \$0.02 per system resource unit \$0.0013/hour per track; \$30 to	\$0.025 to \$0.70 per second
pa storaga	\$0 60 / hour temp \$6 / hour	cylinder on-lina \$10 per hour	\$1/month rental; \$5/month handling	\$15 per cylinder \$0.20 to \$0.05 per day; 3420 teps: \$15/hour	\$5 per month
'her	\$25/hour per dedicated disk drive	Mountable disk: \$80/hour		topi. 910/100	
ommente	Introduced in 1971	introduced in 1969	Introduced in 1969	Introduced in 1971	Introduced in 1967
endor	McDonnell Douglas (CYBER Service)	McDonnell Douglea Automation (370 Services)	Meditech	Matridata Computing	Midweat Advanced Comput Services
Sarvicas Type	(CYBER Service)  Conversational, CRJE, remote batch	McDonnali Douglea Automation (370 Services)  Conversational, remote batch, transaction entry, inquiry response	Maditech  Conversational, interactive on-line	Matridate Computing  Conversational, RJE	Midwaat Advanced Compu Services  Transaction updats, inquiry response
Sarvicas	(CYBER Service)  Conversational, CRJE, remote batch  Business and finance, engineering, meth-statistica, operations research, data base	Automation (370 Services)  Conversational, remote batch, transaction entry, inquiry	Conversational, interactive on-	- Mal	Transaction updata, inquiry
Sarvicas Type	(CYBER Service)  Conversational, CRJE, remote batch  Business and tinance, engineering, meth-statistica,	Automation (370 Services)  Conversational, remote batch, transaction entry, inquiry response Engmeering, business, linence, math-etatistics, aimutation,	Conversational, interactive on-	Conversational, RJE  Barking, brokerage, engine aring, financial enalysis,	Transaction update, inquiry response On-line financial accounting Serving Illinois, Milchigan,
Services Type Applications	COYBER Service)  Conversational, CRJE, remote batch Business and triance, expressing, meth-statistics, remote batch service, that is bate management service, data bate management service, data bate management service, but service that U.S. and Canada from St. Lovis MO and Hensington Beach CA  Two CYBER 175s (256K words	Automation (370 Servicea)  Conversational, remote batch, transaction entry, inquiry response Engineering, business, finance, math-datatics, amulation, pioliting, MC, transportation Serving the U.S. and Canada from St. Louis MO, Long Beach CA, and Denver CO  St. Louis 8 IBM 188s; Long	Conversational, Interactive on- line Medical applications Serving the U.S., Canada, U.K., Asstralia and Holland from Boston and Cambridge MA	Conversational, RJE Barking, brokerage, engine aring, learnciel enalysis, math-statistics, accounting Saving Kentucky, Madine and southern Ohio from Loueville KY and Chicago II. 2 Honsywell 430s, 2 Honsywell	Transaction update, inquiry response On-line financial accounting Sarving Illinois, Michigan, Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Ohio, Pennsylvania Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indiana, Indian
Services  1 / pe  Applications  Geography	CVISER Service)  Convertations (CRUE remote batch  Desiness and linance, engineers, meth-statistics, engineers, meth-statistics, engineers, meth-statistics, engineers, meth-statistics, engineers, set base developed to U.S. and Canada themispion seath CA.  Two CVISER 1755 (256K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CVISER 74 (128K words plue ECS), CV	Automation (370 Services)  Conversational, remote batch, towards service, industry, response representations, services and response services, for comparison, for comparation Serving to U.S. and Canada from St. Love 80, Cut of Services, Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Services Ch. and Canada from St. Love 80, Cut of Servic	Conversational, interactive on- face  Medical applications  Serving the U.S., Caseda, U.K., Boston and Cambridge MA  DEC PDP-15s. 3 PDP-11/70s, DE Edipses, Ibb Series 1  Month ASCH terminals and	Conversational, RJE  Banking, brokersige, enginess, beautics, enginess, enginess, beautics, enginess, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics, edinostics,	Transaction updata, inquiry response On-line financial accounting Serving Illinois, Michigan, Indiana, Olio, Pennsylvania, New York from Warran MI Burroughs B3500, 84800 and B500; Varian V-75 MB Brroughs, FDSK NCR,
Sandeau 1,pa Applications Geography Facilities Computers	COYBER Service)  Convertations, CRUE, remote batch  Desiness and finance, required, mich statistics, required, mich statistics, required, mich statistics, remanagement.  Serving the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S.	Automation (170 Services)  Conversations - remote batch, remote batch, researching services and remote services are representable. The remote services are remote services and remote services are remote services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot services and cannot services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and can	Conversational, literactive on- line Medical applications Serving the U.S., Casada, U.K., Australia and Holland from Boston and Cambringe MA DEC POP-15a, 3 POP-11/70s, DE Colipses, 18M Genes 1	Conversational, RJE Barting, brokersige, Barting, brokersige, math-statistics, accounting Serving Venetive, Media and southern Olivio from Loueville KY and Chicago II. 2 Honeywell 430s, 2 Honeywell 440s, IBM 300165 Thy-compatible to Südge, RJE to 9600base0 Conversational Basic, Fortrar,	Transaction update, inquiry response On-line financial accounting Serving Illinois, Michigan, Indiana, Ohio, Pennsylvania New York from Warran MI Burroughs 83500, 84800 and 8500; Varian V-75
Sarvices 1-pe 1-pe 1-pe 1-pe 1-pe 1-pe 1-pe 1-pe	CYBER Service)  Convertational, CRUE, remote batch  Desires and finance, expressing, meth-statistics, expression, expression, expression, expression, expression, expression, expression, expression, expression, expression, data base Serving the U.S. and Casada Chemicoglon Beach CA  Two CYBER 175s (256K words plus EG), CYBER 74 (176K words plus EG), CYBER 74 (176K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256K words plus EG), CYBER 175s (256	Automation (370 Services)  Conversational, ramole batch, transaction with, inquiry transaction with, inquiry transaction with, inquiry transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transaction with transac	Conversational, Interactive on- tine Medical applications Serving the U.S., Canada, U.K., Australia and Holland from Boston and Cembridge MA DEC PDP-15.3 PDP-1170s, DE Coliptes, IBM Serves 1 Most ASGI terminals and	Conversational, RJE Banking, brokerage, englesering, branciel enabysis, englesering, branciel enabysis, Serving Keelluchy, Indiane and Serving Keelluchy, Indiane and southern Ohlo from Louville IV and Chicago II. 2 Honsynell 450s, 2 Honsynell 440s, ISM 300165 Ity-competible to 30ope, RJE to 9500cest	Transaction updata, inquiry response On-line financial accounting Serving Illinois, Michigan, Ibdiana, Ohio, Pennsylvania New York Irom Warran M. Burrungha B3500, 84800 am 8500, Varian V-75.  AB Burrougha: FDSI: NCR, Inco
Services 1,76 Applications Geography Facilities Computers Terminate supported Languages rackages Oats bases available	COYBER Service)  Convertations, CRUE, remote batch  Desiness and finance, required, mich statistics, required, mich statistics, required, mich statistics, remanagement.  Serving the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S. and Canada the U.S.	Automation (170 Services)  Conversations - remote batch, remote batch, researching services and remote services are representable. The remote services are remote services and remote services are remote services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot services and cannot services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and cannot service services and can	Conversational, Interactive on- tine Medical applications Serving the U.S., Canada, U.K., Australia and Holland from Boston and Cembridge MA DEC PDP-15.3 PDP-1170s, DE Coliptes, IBM Serves 1 Most ASGI terminals and	Conversational, RJE Barting, brokersige, Barting, brokersige, math-statistics, accounting Serving Venetive, Media and southern Olivio from Loueville KY and Chicago II. 2 Honeywell 430s, 2 Honeywell 440s, IBM 300165 Thy-compatible to Südge, RJE to 9600base0 Conversational Basic, Fortrar,	Transaction updata, linquiry response Transaction updata, linquiry response On-time fenencial accounting Serving Rimoria, Michigan, Modesa, Olio, Penningh min Mere York from Worze Mi Burroughs B3500, B4500 and B500, Worseph. PGS. HCR, Incotern, Edier terminals Advanced assemblar, Cobol
Services 1,76 Applications Geography Facilities Computers Terminals supported Languages rackages Oata bases available Pricing Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry Berry	CYBER Service)  Coviver settings, CRUE, remote better  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Families  Tam CYBER 175; (2564 words)  Families  Tam CYBER 175; (2564 words)  Words pale ECG)  Tam CYBER 175; (2564 words)  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Business  Bus	Automation (270 Services)  Conversational, remote hasto, transaction servir, loquiry response remote response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response response r	Conversational, Interactive on- tine Medical applications Serving the U.S., Canada, U.K., Australia and Holland from Boston and Cembridge MA DEC PDP-15.3 PDP-1170s, DE Coliptes, IBM Serves 1 Most ASGI terminals and	Conversational, RJE Blasking, brokerage, engineering, femicial inalysis, math-statistics, accounting Serving Manatoky, Middine and sorthern Ohio from Louisville KY and Chicago II. 2 Honoywell 430s, 2 Honoywell 440s, BM3 300°S bit 1/y-congestible to 30cpc, RJE to 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 6900based on 69	Transaction updata, linquiry response Transaction updata, linquiry response On-time fenencial accounting Serving Rimoria, Michigan, Modesa, Olio, Penningh min Mere York from Worze Mi Burroughs B3500, B4500 and B500, Worseph. PGS. HCR, Incotern, Edier terminals Advanced assemblar, Cobol
Sarvicea  1-76  Applications  Deography  Facilitiea  Comparan  Terminals supported  Languages/packages  Out a base available  Pickag  Stirt up	COYBER Service)  Covince realized, CRUE, remote better  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Business and families  Families  Tan CYBER 175, (2564 words)  Families  Tan CYBER 175, (2564 words)  Families  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Business  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175, (2564 words)  Tan CYBER 175,	Automation (370 Services)  Conversational, remote basic remote basic remote basic remote basic remote basic remote basic remote basic remote basic remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote remote re	Conversational, interactive on- tine Medical applications Serving the U.S., Careda, U.K., Boston and Cambridge MA DEC PDP-15a, 3 PDP-11/70b, DB Eclipses, IBM Series 1 Most ASCII terminals and printers Mile, Mumps dalect	Conversational, RJE Blasking, brokerage, engineering, femicial inalysis, math-statistics, accounting Serving Manatoky, Middine and southern Ohio from Louisville KY and Chicago II. 2 Honeywell 430s, 2 Honeywell 440s, BM3 300°5 by thy-compatible to 30cpc, RJE to 6900based of the Chicago Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine Servine Middine	Transaction updata, liquiry response Transaction updata, liquiry response Online fisencial accounting Serving Rindos, Michigan, Rev York, Toon Warran Mi Burroughs B3500, B4500 on B500, Waran N-75 AM Burroughs P508, MCM, Incoterm, tellar terminals Advanced assemblar, Cobol Financial
Sarvices  1.76  Applications  Geography  Facilities Computars  Terminate supported Languages r packages Oats bases available  Pricing Monthly minimum Terminationomact  Central processor Oils storage  Oils storage	COYBER Service)  Convertations, CRUE, remote batch  Desiness and finance, respectively considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to the considered to t	Automation (370 Services)  Conversations, remote batch, remote batch, remote batch, remote batch, remote batch, remote batch, response remote batch and remote batch and remote batch and remote batch and remote batch and remote batch and bancer CO. And Denver CO. Service St. U. S. and Canada from St. Louis 8 (8) Louis Black 100, 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Black 100 Bl	Conversational, interactive on- tine Medical applications Serving the U.S., Careda, U.K., Boston and Cambridge MA DEC PDP-15a, 3 PDP-11/70b, DB Eclipses, IBM Series 1 Most ASCII terminals and printers Mile, Mumps dalect	Conversational, RJE Barting, brokersigh, Barting, brokersigh, math-statistics, accounting Sendin Chick Constitution Sendin Chick from Lowerite KY and Chicago II. 2 Honeywell 430s, 2 Honeywell 440s, IBM 300 65  Conversational Basic, Fortrar, Batch, Cobol, Fortran  No charge for start-up No monthly minimum No monthly minimum No charge for start-up No monthly minimum	Transaction updata, liquiry response Transaction updata, liquiry response Online fisencial accounting Serving Rindos, Michigan, Rev York, Toon Warran Mi Burroughs B3500, B4500 on B500, Waran N-75 AM Burroughs P508, MCM, Incoterm, tellar terminals Advanced assemblar, Cobol Financial
Services  Services  Jose  Applications  Geography  Facilities  Computers  Terminals supported  Languages/packages  Oals bases available  Pricing  Start up momentum  Terminal connect  Contral processor	CYBER Service3  Conversations, CRUE, remote batch  Disclares and fearing, experience, remote batch  Disclares and fearing, experience, remote batch  Disclares and fearing, experience, remote batch  poperations research, data base from SL Loves MO and  themselpowers  Two CYBER 176; (250f. words)  page ECS), CYBER 74 (1286f. words)  page ECS), CYBER 74 (1286f. words)  Word State CSS (1286f. words)  Two CYBER 176; (250f. words)  Word State CSS (1286f. words)  No Charge for airrivap  SS page injoice minimum  SS 10 18 feet for how	Automation (270 Services)  Conversational, remote bastly, requery responses temporary, requery responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses temporary responses t	Conversational, interactive on- ince the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the sec	Conversational, RulE  Braining, brokenage, enginearing, literalistics, accounting senginearing, literalistics, accounting serving Kentucky, Middina and southern Ohio from Loueville KY and Chicagar, KY and Chicagar, 2 Honsywell 430s, 2 Honeywell 40s, IBM 300°C broken, 2 Honeywell 430s, 2 Honeywell 40s, IBM 300°C broken, 2 Honeywell 430s, 2 Honeywell 60s, IBM 300°C broken, 2 Honeywell 430s, 2 Honeywell 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM 300°C broken, 60s, IBM	Transaction updata, liquiry response Transaction updata, liquiry response Online fisencial accounting Serving Rindos, Michigan, Rev York, Toon Warran Mi Burroughs B3500, B4500 on B500, Waran N-75 AM Burroughs P508, MCM, Incoterm, tellar terminals Advanced assemblar, Cobol Financial
Sarvices  1.76  Applications  Geography  Facilities Computars  Terminate supported Languages r packages Oats bases available  Pricing Monthly minimum Terminationomact  Central processor Oils storage  Oils storage	CYBER Service)  Covince realized, CRLE, remote batch  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER 175, CEBER words  From CYBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175,	Automation (270 Services)  Conversational, remote basis, remote basis, response to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	Conversational, interactive on- ince the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the sec	Conversational, RJE Bastino, brokespie, Bastino, brokespie, Grand Control and Control Bastino, and Control Bastino, and Control Bastino, and Chicago II. 2 Honsywell 430s, 2 Honsywell 440s, Bb 360 56 140 Conversational Basic, Fortrar, Batch, Cobol, Fortran  No charge for start-up No monthly minimum 50 04 pp unit of procesor time and disk accesses 10 150 pp 1 hor	Transaction updata, Inquiry response Transaction updata, Inquiry response Colline fisencial accounting Serving Illinois, Michigan, New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon Warran Ma New York Toon New York Toon New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York New York N
Services  Type  Applications  Geography  Facilities  Computers  Terminals supported  Languages/packages  Oats bases available  Pricing  Start-up  Monthly minimum  Monthly minimum  Central processor  Oats bases  Applications  Central processor  Oats bases  Applications  Terminal connect  Central processor  Oats bases  Total storage  Topa storage	CYBER Service)  Covince realized, CRLE, remote batch  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  Bedinase and fearers  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER words  From CYBER 175, CEBER 175, CEBER words  From CYBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175, CEBER 175,	Automation (270 Services)  Conversational, remote basis, remote basis, response to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	Conversational, interactive on- line Medical applications  Serving the U.S., Careda, U.K., Asstrala and Helland from Boston and Cambridge MA  DEC SPD1-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC SPD2-15.3 PDP1-1770; DEC	Conversational, RJE Blasking, brokenage, enginearing, femical inalysis, math-statistics, accounting Serving Xeastleys, Middle and southern Ohio from Louisville KY and Chicago II. 2 Honeywell 430s, 2 Honeywell 440s, BM3 300-55 thy-compatible to 30cpc; RJE to 8900case brokens Serving Serving Conversational: Basic, Fortran, Batch, Cebul, Fortran Sto 151 per hour Sto 451 per hour Sto 575 to 51 175 per HZB 55/month per real	Service.  Transaction opdets, inquiry response On-line financial accounting Serving Illinois, Michigan, Indiana, Dios, Pennsylvais in New York Tow Warran Mi New York Tow Warran Mi Burrough is 3300, 8 4500 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5000 and 5



Services Type Convertexmone, CRIZE, tende batch Applications Financial statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical segments, examination Financial Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical	Vendor	Multiple Access Computer	National Computer Network	National CSS	Ohle Velley Date Control	0.11-0
Conversational, CRLE, remote batch.  Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applications Applica		Group	of Chicago		Unio valley Data Control	On-Line Systems
Agicisations   Elascicia statistical, engineering, invalidation, discovery and appearing, invalidation, discovery and appearing, invalidation, discovery and appearing, invalidation, discovery and forecasting, statistical, engineering, invalidation, discovery and forecasting, statistical, engineering, invalidation, discovery and forecasting, statistical, engineering, invalidation, engineering, and forecasting, statistical, engineering, invalidation, and proceedings and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, and forecasting, statistical, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engineering, engin						Contract Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contr
Agolications  Fleacoist, satistical, processing, francisco, management, and state of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	Туре	Conversational, CRJE, remote	Conversational	Conversational, remote batch	Batch remote batch	Convergational remote has
Carpopsiyn Carbonius and Extensive Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius Carbonius C		batch		fransaction entry, inquiry		o = - ro rounding, remote (ag
Cacopsphy  Entitle List Cacada Sundantial Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company o	Applications		Drafting, engineering,	Information management.		Data hase management
Discress Service U.S. and Canada Som Downson. Service U.S. and Canada Som Downson. Co. Action 1500 Appears to 15, Canada, U.S. and Canada Som Downson. Co. Action 1500 Appears to 15, Canada, U.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and NYC. Service C.S. and		amortization schedules	marketing, finence, math,	engineering, financial planning	dispanaing, general commercial	processing, financial,
Service of the Contract of Americans and Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of the Service of	0		butinesa	simulation	processing	atatistical, meterials
Facilities COmpress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress Compress C	Gaography	Don Mills ON and Los Angeles	Serving the U.S., Canada,	Serving the U.S., Canada II K	Serving West Virginia, Ohio,	Serving the U.S. Canada
Facilities Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Completes Compl		CA	Mexico from Chicego IL	Los Angeles, Sunnyvele CA.	and Kentucky from Wheeling, Charleston, and Beckley WV	and Europe from Pittsburgh
Competers Composition Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Comm				and NYC	and Belpre OH	
Competers  Conceptual To Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Mark Control Box 5000 Ma		X				
Tremental appointed  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary 2011-18. Bill Agril  Social Mary		CYBER 73. Cyber 170: CDC	Management Market Name and Cook	1011 070 1-00		
Terminal to 9000seud  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported  Commental Supported Supported  Commental Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Supported Support		6800; IBM 370/168, IBM 380/	16-bit words each):		Burroughs B3700, B4700, DEC PDP-11/10, PDP-11/34	DECsystem-10 (256K-768)
Languages packages  Basic, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, Cobd. Compens, Algol, PL. 1, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season, Forten, PL. 1, PR. Algol, Season	Terminala supported		DECsystem-20	each)		
Languages packages  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Da			correspondence at 15cps	Terminels to 120cps		
Date bases available  Compess, Algor, PL. / L.  Securities, Code, Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Solin, Fech.  Forting, Report Fech.  Forting, Fech.  Forting, Solin, Fech.  Forting, Report Fech.  Forting, Fech.  Forting, Solin, Fech.  Forting, Report Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  Forting, Fech.  F	Languages/packages	Besic Fortree Cobol	Assembly Basic Cohel	101		
Date bases available    Date bases available   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors   Statistical processors		Compass, Algol, PL/1,		Fortran, PL/1, Wattiv		APL, Basic, Cobol, Fortran
Principal Source of Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Commentary Co	Data bases available	assembler	Stock cotion print, stanta and			
Priction Start-up No charge for start-up No charge for start-up No charge for start-up No controlly minimum 8 4 50 1 822 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 8 10 92 per hour 15 50 93 07 month par block 15 50 92 per hour 15 50 93 07 month par block 15 50 92 per hour 15 50 93 07 month par block 15 50 92 per hour 15 50 93 07 month par block 15 50 92 per hour 15 50 93 07 month par block 15 50 92 per hour 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50 93 09 per central processor 15 50			bonds/commodities and futures	Lynch Economics, ONSITE		Securities, demographica
Site-ties (Monthly minimum)  Site-ties (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimu					ousosianore, mericial	
Site-ties (Monthly minimum)  Site-ties (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimum)  Site (Monthly minimu	Database					
Monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthly minimum  No monthl	Start-up	No charge for start-up	No oboros tos esest :			
Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secretary Secret	Monthly minimum	No monthly minimum	No monthly minimum	No charge for start-up \$100 plus \$2 per ID	No charge for start-up	No charge for start-up
plus memory situation and IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per minute Situation of IV 0 30.0 to 51 per	ferminal connect	\$4.50 to \$22 per hour \$0.25 to \$0.43 per con unit	\$5 to \$10 per hour;	\$12 to \$20 per hour	\$12.50/hour	
Size storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  State Storage  Storage  State Storage  State Storage  State Storage  State Storage	Central processor	plus memory utilization and t/O			See helow	*****
So Set pay method.  30.32 membry plos \$2.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning on the 1.15 for oncerning oncerning on the 1.15 for oncerning on the 1.15 for oncerning oncerning on the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 for once the 1.15 fo	Disk storage			Resource Unit		50.05 per resource unit
Annual point season of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	-		91 per INB/month everage	\$5 to \$22 par month; mountable: \$80/month	\$20 per 100K	\$0.05/day per 3200 charac
Commental Introduced in 1969 Introduced in 1969 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced in 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Introduced In 1965 Int	Tapa storaga Other		\$8 per retrieval		-	_
Polycom Systems  PRC Computer Center  Polycom Systems  PRC Computer Center  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and Analysis  Progress and An			characters/month		Fees from \$0.09 to \$0.30 per account per month	
Pelycom Systems   PRC Camputer Center   Programs and Analysis   Progriefary Computer Systems   PRC Camputer Center   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Programs and Analysis   Program						
Annotes Polycom Systems PRC Computer Center Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis Programs and Analysis	Commenta	Introduced in 1969	Introduced in 1000			
According immers by a proprietary Competer Startup State of State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State				introduced in 1968	Introduced in 1985	Introduced in 1967
According immers by a proprietary Competer Startup State of State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State						
The commercial financial modeling, included and positions of the commercial financial modeling. Business, expressing and positions of the commercial financial modeling. Business, expressing analysis appears and positions of the commercial financial modeling. Business, expressing mathematics, position, 1940.  **Sorright in continuation U.S. and Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse On Careade from Focuse O	/endor	Polycom Systems	PRC Computer Center	Progrems and Anelysis		Pryor
Conversational, CRJE  Governational, CRJE  Conversational, centrol. Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational, remote betch Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversational remote Conversati		The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	AMERICAN CARREST AND A	adaptivation of the second	Systems	Land Bush State .
Somewhater in the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the com						
polications Commercial, financel modeling, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, incompanies, i	ype	Conversational, CRJE	Remote batch, conversational,	Conversational, remote batch	Conversational, remote betch,	Conversational, remote but
Commercial, more call indeedings and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeed and commercial more call indeeding and commercial more call indeeding and commercial more call indeed and commercial more call indeed and commercial more call indeeding and commercial more call indeed and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and commercial more call indeeding and call indeeding and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call indeed and call ind			TSO, Inquiry reaponse		CRJE	transection entry, inquiry
accounting investory considerations accounting investory considerations accounting investory considerations accounting investory considerations and particular data management accounting investory considerations graphics and accounting investory considerations graphics and accounting investory considerations and classed from forces on the first particular data management accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investory consideration and accounting investors and accounting investors and accounting investory consideration and accounting investors and accounting investors and accounting investors and accounting investors and ac	pplications	Commercial Secured medition	Business engineering math.	Accounting investory posterio	Text proposition almost the	
Serving Parameters 11, 22 and Carade from Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CA Care of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE of Toronto ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE OF TORONTO ON CARE O		Commercial, inialicial modeling,				
and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto ON  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  and Canada from Toronto On  an		job management, accounting,	statistics, plotting, HMO	management, trust accounting,	analyticet, date management	accounting/inventory contr
Basic   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Contro	a corraphu	job manegement, accounting, stetistical, dbma	statistics, plotting, HMO services, medical-record services	management, trust accounting, grephics	analyticet, date management	accounting/inventory contr
Honeywell 6000 (256X 36bit semipler as supported through the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form	eography	job manegement, accounting, stetistical, dbma Serving the northeastern U.S.	atatietics, plotting, HMO services, medical-record services Serving Virginia, Weshington DC, and southern California	management, trust accounting, grephics Serving the eastern and	analyticet, dete management Serving California, Colorado,	accounting/inventory contr sales analysis system
Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Mont	Bography	job manegement, accounting, stetistical, dbma Serving the northeastern U.S.	statistics, plotting, HMO services, medical-record services Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood	management, trust accounting, grephics  Serving the eastern and midwastern U.S. from MA, NY,	analyticet, dete management Serving California, Colorado, Arizona end the Midwest from	accounting/inventory contr sales analysis system
Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Montest   Mont	aography	job manegement, accounting, stetistical, dbma Serving the northeastern U.S.	statistics, plotting, HMO services, medical-record services Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood	management, trust accounting, grephics  Serving the eastern and midwastern U.S. from MA, NY,	analyticet, dete management Serving California, Colorado, Arizona end the Midwest from	accounting/inventory contr sales analysis system
### 10   10   10   10   10   10   10   1	eography	job manegement, accounting, stetistical, dbma Serving the northeastern U.S.	statistics, plotting, HMO services, medical-record services Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood	management, trust accounting, grephics  Serving the eastern and midwastern U.S. from MA, NY,	analyticet, dete management Serving California, Colorado, Arizona end the Midwest from	accounting/inventory contr sales analysis system
ACCI and Ego-Contentials to 9500baud bit 100cps; INV 21790. The Vision of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part of Part	ncilitiaa	job manegement, accounting, stetistical, dbma Serving the northeastern U.S.	statistics, plotting, HMO services, medical-record services Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood	management, trust accounting, grephics  Serving the eastern and midwastern U.S. from MA, NY,	analyticet, dete management Serving California, Colorado, Arizona end the Midwest from	accounting/inventory contr sales analysis system
tockelope 17 cell vision 10 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 17 cell more 18 cell more 17 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cell more 18 cel	ncilitiaa	job management, accounting, stetistical, dbms Serving the northeastern U.S. and Canade from Toronto ON Honeywell 6060 (256K 36bit	atlatetics, plotting, HMO services, medical record sarvices Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood CA  IBM 370/158 (3MB); Itel AS/5	management, trust accounting, grephus Serving the eastern and midwastern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6060 (256K 36bit	analytical, date management Serving California, Colorado, Arizona end the Midwest from Van Nuya CA	accounting /inventory contracts analysis system  Serving Chicago  DECsystem 20, Honeywelt
Basic, Fortras, Coded, Draman, Assambly, Basic, Coded and APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Lisp, Snood APL. Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol, Agol,	ectitiae omputers	job management, accounting, stetistical, dbma Serving the northeastern U.S. and Canade from Toronto ON  Honeywell 6060 (256K 36bit words) Wy compatible to 120cps; TWX	atlaterics, plotting, MMO services, medical record sarvices Serving Virginia, Weshington DC, and southern Californie tom McLean VA and Wastwood CA.  IBM 370/158 (3MB); Itel A3/5 (3MB)	management, trust accounting, grephus Serving the eastern and enlowestern U.S. from MA, NY, PA, SC, AL, end TX Honeywell 6060 (256K 36bit words)	analytical, date management Serving California. Colorado, Arizons and the Midwest from Van Nuya CA  IBM 360/65 (2MB)	accounting / Inventory contralled analysis system  Serving Chicago  DECsystem 20, Honeywelt 6440
APIL Algol, Lisp, Snood Dynamo, Fortan, PL/1, RPQ, Basic, Cobol 14, Algol, Jovist, Chip Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics Statistics	icilitiaa emputers	job management, accounting, stetistical, division stetistical, division stetistical, division stetistical, division stetistical, division stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical stetistical	atabletcs, plotting, HMO services, medical-record services. Medical-record services. Serving Virginia, Weshington DC, and southern Californie from McLean VA and Wastwood CA.  IBM 370/156 (3MB): Itel AS/5 (3MB) ASCII and EBCDIC terminals	management, trust accounting, grephus Serving the eastern and enlowestern U.S. from MA, NY, PA, SC, AL, end TX Honeywell 6060 (256K 36bit words)	analyticat, date management Serving California. Colorado, Arizona end the Midwest from Van Nuya CA  IBM 360765 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780,	accounting /inventory contracts analysis system  Serving Chicago  DECsystem 20, Honeywelt
telling through the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of th	scilitiaa omputers rminals supportad	job manegement, accounting, stetistical, divide stetistical, divide serving the northeastern U.S. and Canada from Toronto ON  Honeywell 6060 (256K 36bill words)  Hy compatible to 120cps; TWX 10cps; BM 274 12780, BB 285K, Fortra, Cobob, Dyname, Basic, Fortra, Cobob, Dyname,	statelecs, plotting, PMO services, medical-record services and content callone Serving Virgins, Weatington per and southern Callone From McLean VA and Weatwood CA.  IBM 370/150 (3MB), Ital AS/5 (3MB), ASCII and EBCDIC terminals including Ity, and IBM 2741	management, rust accounting, grephics Serving the sastern and midwastern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6060 (256K 36bit words) ASCI terminals to 9800baud	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting /inventory contralled analysis system Serving Chicago  DECsystem 20, Honeywell G440 ASCII terminals to 120cpa
## 190	scilitiaa omputers rminals supportad	job manegement, accounting, stetistical, divide stetistical, divide serving the northeastern U.S. and Canada from Toronto ON  Honeywell 6060 (256K 36bill words)  Hy compatible to 120cps; TWX 10cps; BM 274 12780, BB 285K, Fortra, Cobob, Dyname, Basic, Fortra, Cobob, Dyname,	atlatelice, plotting, IMMO asservices, medical-record asservices, medical-record asservices, medical-record Serving Virginas. Weshington DC, and southern Californie from McLean VA and Westwood CA.  BM 370/156 (3MB); Itel AS/5 (3MB) ASCII and EBCDIC terminals including Ity, and BM 2741 Assembly, Basic, Cobo.	management, trust accounting, grephics Serving the eastern and midwattern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6080 (256K 36bit words) ASCI terminals to 9600baud Honeywell 8060, Fortran, Basic, Cobol 74, Algol, Jonal.	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting / inventory contralled and system Serving Chicago  DECsystem 20, Honeywelt G440 ASCII terminals to 120cpa
## 190	ncilitiaa supputers rminals supportad nguages/packages	job manegement, accounting, stetistical, divide stetistical, divide serving the northeastern U.S. and Canada from Toronto ON  Honeywell 6060 (256K 36bill words)  Hy compatible to 120cps; TWX 10cps; BM 274 12780, BB 285K, Fortra, Cobob, Dyname, Basic, Fortra, Cobob, Dyname,	atlatelice, plotting, IMMO asservices, medical-record asservices, medical-record asservices, medical-record Serving Virginas. Weshington DC, and southern Californie from McLean VA and Westwood CA.  BM 370/156 (3MB); Itel AS/5 (3MB) ASCII and EBCDIC terminals including Ity, and BM 2741 Assembly, Basic, Cobo.	management, trust accounting, grephics Serving the eastern and midwattern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6080 (256K 36bit words) ASCI terminals to 9600baud Honeywell 8060, Fortran, Basic, Cobol 74, Algol, Jonal.	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting /inventory contralled analysis system Serving Chicago  DECsystem 20, Honeywell G440 ASCII terminals to 120cpa
## 190	ncilitiaa supputers rminals supportad nguages/packages	job manegement, accounting, stetistical, divide stetistical, divide serving the northeastern U.S. and Canada from Toronto ON  Honeywell 6060 (256K 36bill words)  Hy compatible to 120cps; TWX 10cps; BM 274 12780, BB 285K, Fortra, Cobob, Dyname, Basic, Fortra, Cobob, Dyname,	atlatelice, plotting, IMMO asservices, medical-record asservices, medical-record asservices, medical-record Serving Virginas. Weshington DC, and southern Californie from McLean VA and Westwood CA.  BM 370/156 (3MB); Itel AS/5 (3MB) ASCII and EBCDIC terminals including Ity, and BM 2741 Assembly, Basic, Cobo.	management, trust accounting, grephics Serving the eastern and midwattern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6080 (256K 36bit words) ASCI terminals to 9600baud Honeywell 8060, Fortran, Basic, Cobol 74, Algol, Jonal.	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting /inventory contralled analysis system Serving Chicago  DECsystem 20, Honeywell G440 ASCII terminals to 120cpa
with principum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country minimum 200 country	scilitiza omputers rminals supported Aguages/packages sta bases available	job manegement, accounting, stetistical, divide stetistical, divide serving the northeastern U.S. and Canada from Toronto ON  Honeywell 6060 (256K 36bill words)  Hy compatible to 120cps; TWX 10cps; BM 274 12780, BB 285K, Fortra, Cobob, Dyname, Basic, Fortra, Cobob, Dyname,	atlatelice, plotting, IMMO asservices, medical-record asservices, medical-record asservices, medical-record Serving Virginas. Weshington DC, and southern Californie from McLean VA and Westwood CA.  BM 370/156 (3MB); Itel AS/5 (3MB) ASCII and EBCDIC terminals including Ity, and BM 2741 Assembly, Basic, Cobo.	management, trust accounting, grephics Serving the eastern and midwattern U.S. from MA, NY, PA, SC, AL, and TX Honeywell 6080 (256K 36bit words) ASCI terminals to 9600baud Honeywell 8060, Fortran, Basic, Cobol 74, Algol, Jonal.	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting /inventory contralled analysis system Serving Chicago  DECsystem 20, Honeywell G440 ASCII terminals to 120cpa
minut connect \$6 to \$12 per hour \$8 per hour (50+ repect) \$11 to \$35 per hour \$25 to \$25 per hour \$3 per hour (60+ repect) \$11 to \$35 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$25 per hour \$3 to \$3 to \$25 per hour \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3 to \$3	ncititiaa mputers rminals supported mguages/packages eta bases available	job masegement, ecocuring, testisscent, these steels scene of the steels scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the steel scene of the scene of the steel scene of the steel scene of the steel scene of the scene of the steel scene of the steel scene of the scene of the scene of the scene of the scene of the scene of the scene o	establicios, plotino, NAO services, medicare decod Sarving Yugine, Washington Do, and souther noclations bom McLean VA and Wastwood CA BM 370/156 (SMB); the AS/5 (CMB) ASCE and EBCDC terminals including III; and BBL 274 Assambly, Basic, Cobol, Dynamo, Fortras, PL/1, RPQ, Agol	management, rist accounting, orightics Serving the eastern as discounting, original serving and mediusation U.S. from MA, NY, PA, SC, AL, end TX Honeywell 6060 (256K 36bb words) ASCE terminals to 9800baud Honeywell 6060, Fortran, Beasc, Cobol 74, Algot, Joviat, Grap	analyticat, date management  Serving California, Colorado, Arizona end the Midwest from Van Naya CA  IBM 360/65 (2MB)  Correspondence at 15cps; ASCII at 30cps; IBM 2780, 3780, 3270	accounting /inventory contralled analysis system Serving Chicago  DECsystem 20, Honeywell G440 ASCII terminals to 120cpa
Afrail processor \$0.175 to \$0.35 per unit \$0.15 per cpu second; \$0.033 to \$0.02 / cpu sec; \$0.019 per processing unit \$0.06 to \$0.16 per cpu w \$0.0019 / sec per 2K; plus I/O \$0.0017 to \$0.003/K/ sec	acditiae computers rrminale supported indipages / packages sta bases available cloing art-up	Job masspanest, scooping, stellstock, down stellstock, down stellstock, down stellstock, down stellstock, down stellstock, down stellstock, and Casade from Toronto ON and Casade from Toronto ON the Casade from Toronto ON Section On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On	estatistics, ploting, 1840 estricties, medical record Serving Yingne, Washington Co, and souther, caldonie tom MC, ean VA end Westwood CO, and souther, caldonie tom MC, ean VA end Westwood CO, and college of the Co, and Westwood CO, and college of the CO, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, and the Co, an	menagement, risst accounting, orightics Serving the eastern and windowstern U.S. from MA, NY, Ph. Sc. AL, and TX Honeywell 6000 (256K 36bit word) ASCI servinds to 9800baud ASCI servinds to 9800baud ASCI servinds to 9800baud Resic Cobol 74, Aigol, Jovist, Grap No charge for start up	analytical, date management serving california. Coderado, Arizona and the Midwest from Van Hays CA.  IBM 360/65 (2W8)  Correspondence at 15cps; ASCI at 30cps; IBM 2780, 3770, 3270, 3270  Cebod, Fortran, PL/1, APL	accounting (inventor) com Serving Chicago  DECsystem 20, Honeywell G440  Basic, Fortran  No charge tor start-up No charge tor start-up
80.0019 (So.010 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0.00 to \$0	acditiae computers rrminale supported indipages / packages sta bases available cloing art-up	Job management, accounting, stemstocat, diseases the stemstocat, diseases the north-castern U.S. and Cassas from Toronto ON  1000 cyclin 0000 (256K 38bit words)  1000 cyclin 0000 (256K 38bit words)  1000 cyclin 0000 (256K 38bit words)  1000 cyclin 0000 (256K 38bit words)  1000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cyclin 0000 cycl	estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting, 1840 estatistics, ploting,	management, rivat accounting, orightics Serving the eastern and servine and members and 12.5 from MA, NY, Ph. Sc. As, and Tx.  Noneywell 0000 (256K Sébit words) ASCII terminals to 8000-baud Honeywell 8000, Fortran, Basic, Cobol 74, Algol, Joviat, Gasp.  No. charge for start up No. charge for start up No monthly minimum.	analytical, date management spering colored to Arcone and the Midwest from Van Reya CA.  IBM 360/65 (2M8)  Correspondence at 15cps; ASCR at 30cps; IBM 2780, Cobol, Forran, PL/1, APL	accounting inventory corn sales analysis system  Serving Chicago  DECsystem 20, Honeywell G440  ASCE terminals to 120-pa  Basic, Fortran  No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up
	acilitica computera arminals supported anguages/packages ets bases available ets operations and anguages ets operations and anguages ets operations and anguages entry minimum mmat connect	Job management, accounting, testingted, the statistical, disher statistical, disher statistical, the statistical statistics and Canada from Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TORONTO ON TOR	atlantics, ploting, 1840 services, medical record Serving Yingne, Washington Serving Yingne, Washington Led Souther, Calsonie Line McC, east VA end Washington Line McC, east VA end Washington Line McC, east VA end Washington Line McC, east VA end Washington Line McC, east VA end Washington Line McC, east VA end Washington Line McC, east VA end Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC, east VA Line McC	menagement, risst accounting, orightics Serving the eastern and windowstern U.S. from MA, NY, Ph. Sc. AL, and TX Hoosywell 6000 (256K 36bit AGC) servines to 98006aud Honeywell 6000, Fortran, Basic, Cobol 74, Algol, Jovisl, Grap No charge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for start-up No nocharge for star	analytical, date management colorado, Articos and the Midwest from Van Nays CA.  BM 360/65 (2M8)  Correspondence at 15cps; ASCI at 30cps; BM 2760, 3770, 3700, 3707  Cabob, Fertian, PL/1, APL  5250 charge for start up 5300 insoftly minimum passion in the coloradors at 15cps; BM 2760, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700	acconting //westory comes Serving Chicago  DECsystem 20, Honeywell  AGCs terminal to 120cps  Beace, Fortran  No charge for start-up No monthly meinium \$3 to \$4 pc + hour
	sciffitae impoters immels supported imputes prockages into bases available iching into sinimum immel connect intral processor	Job management, ecocuring, telestrocal, dome telestrocal, dome telestrocal, dome telestrocal, dome telestrocal, dome telestrocal, dome telestrocal, and Canade from Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto ON Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On Toronto On T	establicise, ploting, 1840 estricties, medical record Sarving Yiripas. Washington De, and souther neclations born McLean VA and Washinod GAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB), the AS/5 CAM  BM 370/156 (DMB)	management, rest accounting, opephics Serving the castern and Serving the Castern and M. NY. PA. SC. Al., and TX Honeywell 6000 (2594' 36bit words) ACCI terminals to 8800baud Honeywell 6000, Fortran, Castern Color FA, Alpot, Jevisia, Grap  No charge for start up No charge for start up No charge for start up No charge for start up No charge for start up Color for 5000 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2500 (2	analytical, date management colorado, Articos and the Midwest from Van Nays CA.  BM 360/65 (2M8)  Correspondence at 15cps; ASCI at 30cps; BM 2760, 3770, 3700, 3707  Cabob, Fertian, PL/1, APL  5250 charge for start up 5300 insoftly minimum passion in the coloradors at 15cps; BM 2760, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700, 3700	accounting inventory corn sales analysis system  Serving Chicago  DECsystem 20, Honeywell G440  ASCE terminals to 120-pa  Basic, Fortran  No charge for start-up No charge for start-up No charge for start-up No charge for start-up No charge for start-up

Introduced in 1968



Vendor	Rapidata	Remote Computing	Scientific Time Shering (APL PLUS, VM Service)	Sarvica Buraau (Cell/370 & Cell/Plus)	Shared Medical Systems
Sarvicae					
Tyios	Conversational, CRJE, remote batch	Conversational, CRJE, inquiry, remote batch, transaction processing	rasponse	Conversational, remote batch, CRJE	Transection antry, inquiry response
Applications	General, specializing in financial services	Data management, forecasting and financial analysis, portfolio management, securities, etc.	financial analysis, manufacturing systems, banking	Banking, financial, trust acctg., math, engineering, graphica, dbma, MRP	On-line hospital management systems
Geography .	Serving Ihe U.S. and London from Fairfield NJ	Serving the U.S. (axcept Alaska) from Palo Alto CA and Roalyn NY	analysis Serving the U.S., Canada, and Europa from Belhasda MD	Serving the U.S., Cenads, Europe, Japan from Claveland OH and Campbell CA	Serving the U.S. from King of Pressia PA
F: ::9ttas C: ::putara	DECaystam t070 and 1060s,	3 Burroughs B5700s, Burroughs	Amdahi 470V/6 (6MB); IBM	10 IBM 370/156s, 53 IBM	Two IBM 370/168s
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PDP-11, HIS 437s, DECsystem 2020	B7700 ASCII to 120cpa.	370/146 (2MB) EBCDIC, correspondence,	System 7 remote processors ASCII to 120cps, IBM 2741/	IBM 3770. Four/Phase.
Tinals aupported	Conversational, ASCII to 120cps, EBCDIC, IBM 2780 to 4600baud	correspondence/EBCDIC to 120cps, IBM 2780, etc	ASCII to 120cps, IBM 2760, others APL Plus, Fortran, Cobol,	2760 to 4600baud	DEC 11/34, 11/70
guagas/packages	Assembly, Basic, Fortran, Cobol, raport ganerator	Algol, Basic, Gobol, Fortran, PL/1	Assambler, PL/1, VS/APL	Basic, Fortran, Cobol, PL/1, assemblar, VS/Basic	_
bases available	Stock market, economic, International monalary, debt market, etc.	Secondary mortgage market, securities, options, commodities	Citibank economic indicators, VH coordinates (inc. commercial costing)	FDIC, FSLIC, Sita II, Dricap, international securities, atocks, etc.	Unifile*, Action*, Command
ing itup	No charge for start-up	No charge for slart-up	No charge for start-up	No charge for start-up	\$6,000 to \$10,000
thly minimum trinal connect	\$100 monthly on contract \$5 to \$30 per hour	\$100 monthly minimum \$12 to \$20 per hour	\$100 monthly minimum \$12 to \$24 per hour	\$100 minimum monthly \$11 to \$46/hour	No monthly minimum
ral processor	\$0.07 to \$0.06 per cpu unil and I/O time	\$0.30 par unit of Remote Computing Utilization	\$0.75 per Computer Resource Unit	\$0.06 to \$0.16 per processing unit	-
e storage	\$0.20 to \$0.60 per tKB, Data base: \$0.10 per tKB	\$3.50 to \$9/day par 1KB	\$10/day per 1MB	\$0.05 to \$0.75 per treck per day —	_
er er				\$0.16 par cpu unit for program surcharges	\$0.75 to \$1.25/day per pat
mmenta	Introduced in 1966	Introduced in 1966	Introduced in 1969	Introduced in 1988	Introduced in 1969
V ador	I.P. Sherp Associates (Snerp APL)	Systems Dimensions Ltd. (SOL)	Technical Advisors (Tech- Mac*)	Tel-a-Data	Tolstat Systems
1000000	LP. Sharp Associates (Sharp APL)	Systems Dimensions Ltd. (SOL)	Technical Advisors (Tech- Mac*)	an form	
V indor Scrvicea Typa	LP. Sherp Associates (Snerp APL)	Systems Dimensions Ltd. (SDL)  Remota batch, inquiry response, transaction	Technical Advisors (Toch- Mac*)  Conversational	Tel-a-Data  Conversational, transaction processing, inquiry response	
Sarvicea Typa	(Sherp APL)  Convarsational, inquiry	Remote batch, inquiry response, transaction  Civil angineering, meth, finance, taxt processing, dbms, education, electrical	Conversational  Survaying and subdivision computations, drafting	Conversational, transaction processing, inquiry response towentory control, satesmarkating, payroll, management	Conversational, remote bat Emphasis on financial applications
Scrylces	(Snerp APL)  Conversational, inquiry response  Analytical, financial, and data	Remota batch, inquiry response, transaction Civil angineering, meth, finance, text processing, dbms,	Mac*)  Conversational  Surveying and subdivision	Conversational, transaction processing, inquiry response towentory control, satesmarkating, payroll, management	Conversational, remote bat Emphasis on financial applications
Scrvices Type Applications Geography Facilities	Conversational, inquiry response Arabytect financial, and data managament applications Serving Canada, the U.S. Europa and Australia from Toronto ON	Remote batch, inquiry response, Vansaction Civil angineering, meth, finance, tast processing, dems, education, electrical test processing, dems, education, electrical processing, dems, education, electrical processing, dems, education, electrical processing, dems, education, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, demonstration, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical processing, electrical pro	Mac*)  Conversational  Surveying and subdivision computations, drafting  Sarving the U.S. from Wayne MI and Phoenix AZ	Conversational transaction processing, inquiry response travettory control, sales-marketing, payroll, management Sarving Florida from Mians FL	Conversational, ramote bat Emphasis on financial applications Sarving the U.S. from New
Sarvicea Typa Applications Geography	Conversational, inquiry response Arabyceal Insection and data management applications Berning Caneda, the U.S. Europe and Austrelia from Toronto CH Amedia V G ( CWIS), IBM 3007 BM 2741 compatible, A CRI to BM 2741 compatible, A CRI to BM 2741 compatible, A CRI to Conversion CH 2741 compatible, A CRI to Conversion CH 2741 compatible, A CRI to CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 CRI 1841 C	Remota batch, loquiry response, transaction Civil angineering, meth, finance, taxt processing, dbms, electrical engineering From Calcary, Edmonton, Montrast, Ottaws, Ouebec, Toronto, Vancouver, NYC,	Conversational  Surveying and subdivision computations, drafting  Serving the U.S. from Wayne Mi	Conversational, transaction processing, inquiry response traventory control, sates marketing, payoli, management satisfaction, payoli, management satisfaction from Miaers FL Berrough 2800	Conversational, remote bat explications as a serving the U.S. from New City  Xarox Sigma 9  Conversational to 30cps;
Scrvices Typa Applications Geography Facilities Computers	Coverational, legally response Conversational, legally response Analyseut, lineacial, and date management applications Serving Canada, the U.S. Europe and Astralia from Toronto CN Amean V 61 (2000), ISM 3007 75 (15 MB)	Remote batch, inquiry response, transaction Cult anginering, meth finance tast processing, dema, deciration, celeration, celeration, celeration, celeration, celeration, celeration, celeration, celeration, celeration, cele	Mac")  Convertational  Surveying and subdivision computations, drafting  Sarving the U.S. from Wayne Mi and Phoesis AZ  Varian Date 520 I (12K 18bit words)	Conversational, transaction processing, inquiry response treventery centers, dates marketing, payroll, management Sarving Florids from Misses FL Burroughs 2800	Conversational, ramote bat Emphasis on financial applications  Serving the U.S. from New City  Xarox Sigms 0  Conversational to 30cpts, remote batch to 46000aud
Services Type Applications Geography Facilities Computer Terminals supported	Conversational, inquiry response.  Conversational, inquiry response.  Analytical, financial, and data managament applications.  Serving Canada, the U.S., Europa and Astralia from Toronto ON  Amdain Voil (ZMB), IBM 3007 75 (1.5 MB)  IBM 274 compatible, ASCII to (ZONg).	Remote batch, inquiry response, transaction Cell anginering, math. Itanze, tast processing, deme, deducation, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, clerched education, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description, description,	Mac")  Convertational  Surveying and subdivision computations, drafting  Sarving the U.S. from Wayne Mi and Phoesis AZ  Varian Date 520 I (12K 18bit words)	Conversational, transaction processing, inquiry response to reventery cerebro, sales-marketing, payroll, management Sarving Florida from Mains FL Burroughs 2800 ttp 33/35, TG 500, lecolerm 10/20, Cantrones printer	Conversational, ramote bat Emphasis on financial applications  Serving the U.S. from New City  Xerox Sigms 0  Conversational to 30cpts, remote batch to 46000aud
Scrivices Tryce Applications Geography Facilities Computers Terments supported Languages/packagds Data bases available	Conversational, inquiry response  Conversational, inquiry response  Analyseak financial, and data management applications  Berning Caneda, the U.S.  Europe and Australia from  Toronto CH   Amidani Visi (CNR), IRM 3007  21 (15 400)  IRM 2741 companible, ASCIII to  130pp.  Aniferas, socio-económic,  Aniferas, socio-económic,	Remote batch, inquiry response, transaction Cult anginering, meth, ficance text processing, dema, deducation, electronic field and fine field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and field and	Mac")  Convertational  Surveying and subdivision computations, drafting  Sarving the U.S. from Wayne Mi and Phoesis AZ  Varian Date 520 I (12K 18bit words)	Conversational transaction processing, injury response travellor, cately, caste-marketing, psycil, management Sarving Florida from Mians FL Burroughs 2800 ttp 331.57.10.00, incodem 10.20, Cantronice printer Assembler, Cobol	Conversational, remote bat Emphasis on financial apprication City  Xerox Signe 9  Conversational to Store, Temote batto 1c 46005exd Besic, Cobot, Furtran, APL Securities
Scrivices Tyres Applications Geography Facilities Computers Terminals supported Languages/packagds Data bases available Pitchip Sterlup	Covery AT-1  Conversational, inquiry response Analysical, financial, and data management applications Benning Canada, the U.S. Europe and Australia from Toronto CN  Amosal Veil (CMB), IBM 3007 Amosal Veil (CMB), IBM 3007 APL  Ariseas, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, basking, accurries, socio-economic, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries, accurries	Remote batch, inquiry response, transaction Child angivering math finance, text processing, dema, education, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, decided, de	Mac")  Conversational  Surveying and subdivision computations, drafting  Sarving the U.S. from Wayne Mi and Phoesia AZ  Vanno Data 620 I (12K 18bit words)  Ly 257-25  S30 charge for start-up	Conversational, transaction processing, inquiry response treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the	Conversational, remote bat Emphasis on financial applications Saving the U.S. from New City Xeror Sigma 9 Conversational to 200ps; remote batch to 4000sed Saccification of the Consense Saccification of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense of the Consense New Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Co
Scrivices Applications Congraphy  Facilities Computer Terminals supported Languages/packagds Data bases available Pricing Start up Monthly summum Terminal commet	Covery AT-1  Conversational, inquiry response Analysical, financial, and data management applications Berving Canada, the U.S. Europe and Australia from Toronto CH  Amacal Veil (CMB), IBM 3007 Amacal Veil (CMB), IBM 3007 Analysis, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises	Remote batch, inceiry response, transaction Child anginering meth finance tast processing, dimes, every finance for the state processing, dimes, every finance for the state processing finance for the state for the state finance for the state finance for the state finance for the state finance for the state finance finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance for the state finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance finance fi	Mac1)  Conversational  Surveying and subdivision competitions, distings  surveying and subdivision competitions, distings  Surveying and subdivision competitions, distings  and Process AX  Varian Date 620 I (12K 188H words)  Using 27/26	Conversational, transaction processing, inquiry rasponas traventory control, sates marketing, payoli, management Sarving Floride from Mians FL Berrough 2800 try 33/35, TC 500, incolerm 10/20, Cantronics printer Assembler, Cobol Financial	Conversational, remote ball Emphasis on financial applications  Savving the U.S. from New City  Xarox Sigme 9  Conversational to 30cps, remote batch to 4005and Basic, Cobol, Fortran, APL Sacurities  No charge for a
Scrivices  Scrivices  Applications  Geography  Facilities Completes  Termeals supported  Languages/packagds  Data bases available  Pricing  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up  Bist-up	Consep AFL3  Conversational, inquiry response Analysical financial, and data management applications Serving Casada, the U.S. Europe and Asstratial from Toronto CN  Amean's V6-II (2NRD), IBM 3007 72 (1 s MB)  Amean's V6-II (2NRD), IBM 3007 73 (1 s MB)  Amean's Conversation, ASCIII to 120pp.  APL  Arises, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, socio-economic, beaving, socio-economic, beaving, socio-economic, beaving, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-economic, socio-eco	Remote batch, locally response, scharcelone Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied on the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Could applied to the State Coul	Kec1)  Conversational  Surveying and subdivision compressions, selfing and subdivision compressions, selfing and selfing the U.S. from Weight Mr. and Process AZ.  Varian Data 620 I (12K 18bit words)  Varian Data 620 I (12K 18bit words)  So charge for start-up in the compression of the selfing and selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing self	Conversational, transaction processing, inquiry response treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the	Conversational, remote bat Emphasis on financial applications Saving the U.S. from New City Xeror Sigma 9 Conversational to 200ps; remote batch to 4000sed Saccification of the Consense Saccification of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense New Consense of the Consense of the Consense New Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Consense of the Co
Scrivices  Canopiacations  Geography  Facilities Computers  Tommeals supported  Languages/packagda  Data bases available  Pricing  Bart up  Marinty moment  Marinty moment  Marinty moment  Languages/packagda  Data bases available  Pricing  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Dat	Covery AT-1  Conversational, inquiry response Analysical, financial, and data management applications Berving Canada, the U.S. Europe and Australia from Toronto CH  Amacal Veil (CMB), IBM 3007 Amacal Veil (CMB), IBM 3007 Analysis, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, socio-economic, basking, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises, accurrises	Remote batch, locally response, transactions could be a second or continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous	Mac")  Conversational  Surveying and subdivision comprisitions, drafting  Sarving the U.S. from Wayne Mil and Process. AZ  Versan Date 420 I (12K 18bet world)  1ty 33/35  850 charge for elert-up in mobility millimitum	Conversational, transaction processing, inquiry response treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the	Conversational, remote bat Emphasis on financial apprication Serving the U.S. from New City  Xerox Sigme 9  Conversational to Stope, remote batto to 64005exd re- mote batto to 64005exd re- mote to 64005exd re- served to 64005exd re- served to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd re- turned to 64005exd
Sorvices Type Applications Geography  Facilities Computers Tammais supported Languages/packagds Data bases available Pricing Monthly minimum Tammais connect Center processor Oak storage	Conversational, inquiry response Analysical, English and data management applications. Survey Card of the Management applications. Survey Card of the Management applications. Survey Card of the Management applications of the Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Management and Manage	Remote batch, inceiry response, wrateschor child any entering the state processing, dense, explored for the state processing, dense, explored for the state processing dense, explored for the state processing dense, control, deserting the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Conversational  Surveying and subdivision competitions, drafting  Sarving the U.S. from Wayne Mi and Privente, A.Z.  Varian Date 620 I (12K 18bet words)  1ty 33/35  S50 charge for stert-up  No monthly minimum  110 10 22 par hour  90.50 par pege	Conversational, transaction processing, inquiry rasponas transaction, conversations, conversations, capyoli, management Sarving Florida from Maers PL Sarving Florida from Maers PL 1970, Centrones printer 19720, Centrones printer Assembler, Cobol Financial 5500 charge for start-up 5500 moratily minimum 33 per hour (off-neur)	Conversational, ramote bat Emphasis on financial applications String the U.S. from New City  Xarox Signs, 9  Conversational to 300ps, ramot leath to 4000s and Basic, colob Forman, APL Sacurities No charge for steril up, No charge for steril up, 12 per hour 5 to 544 minute or proje 50.02 reay per 2KB
Scrivices  Canopiacations  Geography  Facilities Computers  Tommeals supported  Languages/packagda  Data bases available  Pricing  Bart up  Marinty moment  Marinty moment  Marinty moment  Languages/packagda  Data bases available  Pricing  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Data bases available  Dat	Covery APL)  Conversational, inquiry response Analyseal, financial, and data management applications Berning Canada, the U.S. Europe and Austrelia from Toronto CH  Amobal V6 I (2M8), IBM 3007  Amobal V6 I (2M8), IBM 3007  And IBM 2741 compatible, ASCIII to 130pe  Anifess, socio-economic, bessing, securities, ectuarial No charge for start-up No mostily minister 5000 per 150 II / II SO 35 to 50 200 cpp unit SOSS free yea 26000	Remote batch, locally response, wanted to Cult Angineering, wanted to Cult Angineering, was to tast processing, dome, eaghesing From Calery, Edmonton, Montreal, Citises, Couley, Washington, Boston 1980, 2741, 11, 18, 85 C-compatible Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Management of Mana	Kec1)  Conversational  Surveying and subdivision compressions, selfing and subdivision compressions, selfing and selfing the U.S. from Weight Mr. and Process AZ.  Varian Data 620 I (12K 18bit words)  Varian Data 620 I (12K 18bit words)  So charge for start-up in the compression of the selfing and selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing selfing self	Conversational, transaction processing, inquiry response treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the treatment of the	Conversational, remote bath Emphasis on financial applications Sarving tha U.S. from New City  Xerox Sigma 9 Conversational to Stops, Generate batch to 64005exed Basic, Cobot, Fortran, APL Sacurities No charge for alert-up No charge for alert-up No charge for alert-up No charge for alert-up No charge for page No stresses



Vendor	Tims Share	Time-Sharing Resources	Time Sharing Systems	Tracor	TSC Computer
Services					NEW PARKET
Турв	Conversational	Conversational, remote batch,	Conversational, remote batch	Remote batch	Conversational
Applications	Time accounting, business,	inquiry response		Transite Satur	Conversational
	marketing seles, enginearing, aducation, financial, etc.	Accounting, banking, brokerage, construction, education, angineering, inventory control, etc.	Scientific, accounting, work-in- process, order entry, Inventory for insurance under GAAP	General applications	Time accounting, forecast budget, engineering, finan inventory control, etc.
Geography	Serving the U.S. and Caneda from Hanover NH	Serving the U.S. from Great Nack NY	Serving Wisconsin end Blinois from Milweykes WI	Serving Texas from Austin	Serving Quebec and Ontai
					from Scerborough ON and Montreal
Fecilities					
Computers	HP Series 2000 (21MX) (32K 16bit words)	Duel IBM 380/75s (1MB core, 1MB add-on core)	Burroughs B6700	Univac t 108 (64K 36bit words)	4 HP 2000Fe (48K 16bit w
Terminals eupported	ASCII to 120cpe inc. cerd readers, plotters, optical	Terminals to 120cps; plotters; crt's; IBM 2780; others	All terminals to 30cps	Univac 9200, 9300, 1004; COPE; to 4800baud	ASCII to 30cps, ttv-compat
Languages/packages	scannere, others Besic			COPE, 10 48000880	crt's to 240cps
	Desic	Conversational: APL, Batch: Assembly, Cobol, Fortran, PL/1, RPG	Algol, Besic, Cobol, Fortran	Cobol, Fortran	Basic
Dats bases available	Guidence Intermetion System (educational data)	NBER, securities, WPI, BCD	-		Guidance Information Syste
100					(educational deta)
Pricing					
Start-up	\$0 to \$50 start-up	No charge for start-up			
fonthly minimum	\$60 to \$840 monthly min.	No monthly minimum	\$100 charge for start-up	No charge for atart-up	No charge for start-up
srminsl connect	\$0 to \$9.90 per hour	\$13 to \$21 per hour	\$100 monthly minimum \$11 to \$18 per hour	No monthly minimum No charge for connection	\$50 monthly minimum \$6.75 to \$26 per hour;
Central processor	7	\$.08 per Central Resource Unit, \$120/hour batch	\$0.17 per Central Resource Unit	\$860/hour prime time \$720/hour off-hours	Port: \$575 to \$2,000/month
nak storags	\$1/month per 1240 cher based on everage usage	\$10/day per 1MB	\$0.65/month par tKB	\$0.20 per 14K block/day	\$0.5625 to \$0.75/month ps
spe storage	uesed on everage usage				1KB
Ither		_	-	-	=
-				Service charge: \$1/run	
ommente	Introduced in 1968	Introduced in 1970	Introduced in 1968	Introduced in 1968	Introduced in 1969
endor	Tymshare (Tymcom-370)	Tymshare (Tymcom-IX)	201-1		
1-10-1019	15 - Eduly - 18 - 17 199	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	Tymshare (Tymcom-X)	Uni-Coll	United Computing Systems (Apax/SL)

Vendor	Tymshare (Tymcom-370)	Tymshare (Tymcom-IX)	Tymshare (Tymcom-X)	Uni-Coll	United Computing Systems (Apex/SL)
Services					
Турв	Conversational, CRJE, remote batch	Conversational	Conversational, CRJE, remote batch	Conversational, CRJE, remote batch, inquiry response.	Conversational, remote batch, CRJE, transaction
Applications	Information energies, data base management, biomedical	General applications directed toward nonprogrammers	General applications directed toward nonprogrammers; dbms,	transaction Emphasis on engineering, scientific, commercial and	Engineering, text editing, business applications, financi
Geography	Serving the U.S., Cenede and Western Europe from Palo Alto CA and Velley Forge PA	Serving the U.S., Canade, Europe from Cupertino CA, Volley Forge PA, Houston TX, and Paris	Information analysis Serving U.S., Canada, Europe, Japan from Cupertino CA, Houston TX and Volley Forge PA	administrative Serving the mid-Atlantic states from Philadelphia PA	torecasting Serving the U.S., Canada, London from Kansas City MO, Quincy and Waltham MA, and London
Facilities					
Computers	5 IBM 370/158s	26 Xarox 940s (64K 24bit words eech)	12 DECsystem-10s (512K 36bit words each)	IBM 370/168 MP	CDC 6500, 3 CDC 6600e, CYBER 174, 2 CYBER 1758,
Terminals supported	ASCII to 120cps including crt's, plotters; also IBM 2741 to 4800bps	ASCII to 120cps inc. crt'e and plotters; IBM 2741 to 4600bps	ASCII to 120cps inc. crt's and plotters; IBM 2741 to 4800bps	All interactive and RJE terminals	IBM 360/65, 7 CDC 3000s tty-compatible ASCII to 120cp EBCDIC; IBM 5100
Languages/packages	Cobol, Fortren, Basic, PL/1, Assembler, Wathy, System 2000, GPSS	Assembly, Basic, Fortran, report generator	Assembly, Basic, Cobol, Snobol, Fortran, Algol	APLSV, BAL, Cobol, Fortren, PL/1, TSO	Algol, APL, Basic, Super Basic Cobol, Fortran, Super Fortran,
Deta bases eveileble		CEDA	Stock market, census, aconomic and tinancial date	Wharton econometrics	Prose
Pricing		• *			
Start up Monthly minimum Terminal connect	No cherge for start-up No monthly minimum \$6 to \$16 per hour	No cherge for start-up \$390 monthly minimum \$13 per hour	No charge for start-up \$390 monthly minimum \$6 to \$18 per hour	No chargs for start-up No monthly minimum \$8 to \$10 per hour	\$100 charge for start-up \$100 monthly minimum \$9.75 to \$30 per hour
Central processor	\$0.12 to \$0.29 per processing unit	\$0.065 per second	\$0.06 to \$0.14 per processing	\$0.26 to \$0.80/second	\$0.17 to \$0.56 per service unit
Disk storage		\$0.05 to \$1/month per tKB	\$0.10 to \$0.45/month per tKB	\$0.024/day per track; Ott-line	\$0.50/month per 1280
Tape etorage		_		\$35/month \$0.25/week	characters
Other	Dedicated 3330: \$120/hour \$20 per hour			SU 207 Week	Delayed access files: \$50/ month for 200KB
Comments	Introduced in 1973	Introduced in 1966			
		emodeced in 1966	Introduced in 1972	Introduced in 1972	Introduced in 1969



ervices ype	Remote batch	CRJE, remote balch	Conversational, remote batch	Conversational, remote batch, RJE	Conversational, transaction entry, inquiry rasponse
pphcations	Scientific and engineering	Scientific and engineering	Management, mfg., math- etatretics, engr., accounting, financial, salee-marketing	Payroll, personnel, pension, education, etc.	General applications, also on- line interactive business systems
egraphy	Serving the U.S. from Dalles TX	Serving the U.S. and Western Europe from Dallas TX, London, and Birmingham U.K.	Serving the U.S. from Pitteburgh PA	Serving the northeastern U.S. from Burlington VT, Lowell and Cambridge MA	Serving U.S. from Los Angele San Francisco, San Diego, Dallas, Houston, Phil., NYC, and Hackensack NJ
couters	CDC 6600	9 Univac 1108s (128K 38bit words each); 1 Univac 1107	CDC 8500 (128K 60bit words), Honeywell H 6080 (256K 36bit words)	IBM 370/158-3 (OS/VS)	Xerox Sigma 7, 9, 3, 530
inals supported	COPE mode, UT200 simulation	tty 33/35/37, IBM 2741, CalComp or H.P. plotters, Univac 1004, etc.	tty (110beud), GE TarmiNet (300baud), CDC 200 UT (to 4800beud)	tty 33/35, IBM 2741, 3741; 2780, 3780	Xerox 1340, 1350; tty 33/35 37; IBM 2741 and compatible terminals
, pages/packages	Fortran, Cobol, assembly	Conversational: CASEMP, EDIT, Batch: Assembly, Cobot, Fortren, simulation	Algol, Besic Cobol, Fortren	Algol, Cobol, Fortren, PL/1, Snobol, RPG, assembler, many others	Fortran IV, ANS Cobol, APL. Besic (general)
- bases available	-	-	-		-
tup thy minimum mal connect tral processor	\$100 start-up \$50 minimum invoice \$20 / hour; dedicated port \$300 / month \$0.55 to \$0.18 per system	\$100 start-up \$50 minimum Invoice \$20/hour; dedicated port \$300/month \$0.55 TO \$0.34/second	No charge for etart-up No monthly minimum \$9 to \$27 per hour Betch. \$400 to \$630/hour; Convers. \$0.40 to \$1/econd	No charge for start-up No monthly minimum \$4 to \$8 per hour No charge for RJE Besed on cpu utilization plus record activity	No cherge for start-up \$250 monthly minimum \$8 per hour \$8 per minute \$1.60 per 1KB I/O
n storage	\$0.012 per date unit per day	\$0.20 per block/dey	\$1/month per 10KB	\$0.35/day per track; Off-line: \$25/month	\$0.01/day per 2KB
e storage er	\$0.20 to \$0.10 per reel/day Vol. discount over \$5,000/ month	\$0.20 to \$0.10 per reel/day Vot. discounts over \$5,000/ month	-	Off-line: \$0.10/day	Off-line: \$25/month
nmanta	Introduced in 1975	Introduced in 1987	Introduced in 1970	Introduced in 1968	Introduced in 1970

University Computing (Univec USS Engineers & Consultants Wang Data Center

## EMOTE SERVICES VENDOR INDEX

additional information regarding the services listed in this survey, place contact the vendors directly, either at the addresses shown below clay ording the appropriate number on the reader service card bound in a this issue.

AlsP First Data 46 Second Ave. W.itham, MA 02154 (6:7) 890-6701

te batch.

City MO.

MA, and

R 175s.

3000a

oper Basic

Fortran,

ADP Network Services 175 Jackson Plaza Ann Arbor, MI 48106

Ann Arbor, MI 48106 (313) 769-6800 GRICLE 302 ON READER CARD

American Information Services

American Lane
Greenwich, CT 06803
(203) 552-2000
GROLE 303 ON READER CARD

AVCO Computer Services 201 Lowell St. Wilmington, MA 01887 (617) 657-5111

CIRCLE 304 ON READER CARD

Boeing Computer Services 177 Madison Avc.

Morristown, NJ 07960 (201) 540-7700 GROLE 305 ON READER CARD

Bowne Information Systems 160 Water St.

New York, NY 10038 (212) 952-4400 CIRCLE 306 ON READER CARD Burroughs 1 Burroughs Place Detroit, MI 48232 (313) 972-7000

(313) 972-7000 CRCLE 307 ON READER CARD

1961 Old Middlefield Mountain View, CA 94043 (415) 964-5331 CIRCLE 308 ON PEADER CARD

Calidata Systems 20 Crossways Park N Woodbury, NY 11797 (516) 575-3282

CIRCLE 309 ON READER CARD

CHI
11000 Cedar Ave.
Cleveland, OH 44106
(216) 229-6400

Community Computer 185 W. Schoolhouse Lane Philadelphia, PA 19144 (215) 849-1200

CIRCLE 311 ON READER CARD

Compu-Dial

21 Diney Ave. Cherry Hill Industrial Park Cherry Hill, NJ 08034 (609) 424-4700

CIRCLE 312 ON READER CARD

Compuserve Network 5000 Arlington Ctr. Blvd. Columbus, OH 43220 (614) 457-8600 CIRCLE 313 ON READER CARD

Computel System 1200 St. Laurent Blvd.

Ottawa, Ontario, Canada K1K3B8 (613) 746-4353

COMPUTER CO. (The)
1905 Westmoreland Ave.
Richmond, VA 23230

(804) 358-2171 GRICLE 315 ON READER CARD

Computer Innovations Suite 1616 55 E Jackson Blvd. Chicago, IL 60604 (312) 663-5930 CRIGLE 316 ON READER CARD

Computer Network 5185 MacArthur Blvd. Washington, DC 20016 (202) 537-2500

CIRCLE 317 ON READER CARE
Computer Research

4 East Kings Hwy. Haddonfield, NJ 08033 (609) 428-0020 CIPICLE 318 ON READER CARD

Computer Resource Services 6501 N. Black Canyon Hwy.

Phoenix, AZ 85015 (602) 242-9121 CRICLE 319 ON READER CARD Computer Sciences

Computer Sciences 650 N. Sepulveda Blvd. El Segundo, CA 90245 (213) 678-0311 CIRCLE 320 ON READER CARD

Computer Sciences

Place du Canada Montreal 101, Quebec, Canada (416) 449-0500 CRICLE 321 ON READER CARD

Computer Sharing Services 2498 W. Second Ave. Denver, CO 80223 (303) 934-2381 CIRCLE 322 ON READER CARD

Computer Solutions P.O. Box 10, 69 E. Main St. Little Falls, NJ 07424 (201) 785-4160

CONCLE 323 ON READER CARD

Computone Systems
One Dunwoody Pk., I-285

One Dunwoody Pk., I-285 and Chamblee Dunwoody Road Atlanta, GA 30338 (404) 393-3010 GRCLE 324 ON PEADER CARD

Comserv

Metro Office Park 3050 Metro Drive Minneapolis, MN 55420 (612) 854-2020 CRCLE 325 ON PEADER CARD

Xerox Computer Services

Com-Share P.O. Box 1588 Ann Arbor, MI'48106

P.O. Box 1588 Ann Arbor, MI 48106 (313) 994-4800 CRCLE 326 ON READER CARD

Com-Share 230 Galaxy Blvd. Rexdale, Ontario M9W 5R8, Canada (416) 657-6363 CRICLE 927 ON READER CARD

Concap Computing
Systems
7700 Edgewater Dr.
Suite 700
Oakland, CA 94621
(415) 635-5750
CRCLE 328 ON READER CARD

Continental Illinois National Bank & Trust 231 S. LaSalle St. Chicago, IL 60690

(312) 828-2345 CRICLE 329 ON READER CARD Control Data

Cybernet Service Div. 2401 N. Fairview Ave. St. Paul, MN 55113 (612) 633-0371 CIRCLE 330 ON READER CARD



## VENDOR INDEX

Dataline Systems 175 Bedford Rd. Toronto, Ontario MSR 2L2 Canada (416) 964-9515

CIRCLE 331 ON READER CARD

Data-Tek 1211 Chestnut St. Philadelphia, PA 19107 (215) 564-4133

CIRCLE 332 ON READER CARD

Datacrown

650 McNicoll Ave. Willowdale, Ontario, Canada (416) 499-1012

ORCLE 333 ON READER CARD

Datalogies University Circle Research Ctr. 11001 Cedar Ave. Cleveland, 0H 44106 (216) 229-1300 CRICLE 334 ON READER CARD

Dialcom 1104 Spring St. Silver Spring, MD 20910 (301) 588-1572 CRCLE 335 ON READER CARD

Dynabank Suite 300, 1000 Circle Seventy-five Pkwy. Atlanta, GA 30339 (404) 952-2425 CIRCLE 338 ON READER CARD

First National Bank in Dallas 1401 Elm St. Dallas, TX 75222 (214) 744-8000 CROLE 337 ON READER CARD.

Fulton Data Systems 55 Marietta St. Atlanta, GA 30302 (404) 577-3500 ORGLE 338 ON READER CARD

General Electric Information Services Co. 401 N. Washington St. Rockville, MD 20850 (301) 340-4000 GRICLE 339 ON READER CARD

HDR Systems
8404 Indian Hills Dr.
Omaha, NB 68114
(402) 399-1400
CRICLE 340 ON READER CARD.

Hobbs Associates P.O. Box 686 Corona del Mar, CA 92625 (714) 546-0961 CRICE 341 ON READER CARD. Honeywell Honeywell Plaza Minneapolis, MN 55408 (612) 870-5200 CRICLE 342 ON BEADER CARD

IBM Canada 1150 Eglington Ave. E Don Mills 402, Ontario, Canada (416) 433-2111

ORCLE 343 ON READER CARD

Informatics

6 Kingsbridge Road Fairfield, NJ 07006 (201) 488-2100 CIRCLE 345 ON READER CARD

Information Consultants 2011 1 Street NW Washington, DC 20006 (202) 785-0115

Information Systems Design 3205 Coronado Dr.

Santa Clara, CA 95051 (408) 249-8100 CIRCLE 346 ON READER CARD

Information Techology 255 Bent St. Cambridge, MA 02141 (617) 354-3000 CRICLE 347 ON PEADER CARD

Insco Systems 3501 Route 66 Neptune, NJ 07753 (201) 922-1100 GRICLE 348 ON READER CARD

Interactive Data
406 Totten Pond Rd.
Waltham, MA 02154
(617) 890-1234
CRICLE 349 ON READER CARD

Interactive Sciences 60 Brooks Dr. Braintree, MA 02184 (617) 848-2660

CRICLE 350 ON READER CARD

7540 LBJ Freeway Suite 510 Dallas, TX 75251 (214) 233-0679 CIRCLE 351 ON READER CARD

Mark/OPS 475 Commonwealth Ave. Boston, MA 02215 (617) 266-1930 CIRCLE 352 ON READER CARD

McDonnell Douglas P.O. Box 516 St. Louis, MO 63166 (314) 232-0232 CIRCLE 353 ON READER CARD Meditech 255 Bent St. Cambridge, MA 02141 (617) 354-3000 CRCLE 354 ON BEADER CARD.

Metridata Computing 6600 Grade Lane Louisville, KY 40221 (502) 361-7161 CRICLE 355 ON READER CARD.

Midwest Advanced Computer Services 26711 Northwestern Hwy.

Southfield, MI 48307 (313) 353-5303

Multiple Access 885 Don Mills Road Don Mills, 403, Ontario, Canada (416) 443-3900 CRICE 357 ON READER CARD

National Computer Network of Chicago 1929 N. Harlem Ave. Chicago, II. 60635 (312) 622-6666 CRUE 388 ON PEAGER CARD

National CSS 524 Westport Ave. Norwalk, CT 06581 (203) 853-7200 CIRCLE 359 ON PEADER CARD

Ohio Valley Data Control 2505 Washington Blvd. Belpre, OH 45714 (614) 423-9501 GRGLE 380 ON READER CARD

115 Evergreen Heights Dr. Pittsburgh, PA 15229 (412) 931-7600 CROLE 361 ON READER CARD

On-Line Systems

Polycom Systems
133 Wynford Dr.
Don Mills, Ontario, Canada
(416) 449-3400
CIRCLE 362 ON READER CARD.

PRC Computer Center 7670 Old Springhouse Rd.

McLean, VA 22101 (703) 893-4880 CRCLE 363 ON READER CARD

Programs and Analysis 21 Ray Ave. Burlington, MA 01803 (617) 272-7723 CRICLE 364 ON READER CARD Proprietary Computer Systems 16625 Saticoy St.

16625 Saticoy St. Van Nuys, CA 91406 (213) 781-8221 CROIE 365 ON BEADER CARD.

Pryor Computer (ISC) 400 N. Michigan Ave. Chicago, IL 60611 (312) 644-5650

CRCLE 366 ON READER CARD

Rapidata

20 New Dutch Lane Fairfield, NJ 07006 (201) 575-6010 CRCLE 367 ON READER CARD

Remote Computing 1076 E. Meadow Circle Palo Alto, CA 94303 (415) 494-6111 CRICLE 368 ON READER CARD

Scientific Time Sharing 7316 Wisconsin Ave. Bethesda, MD 20014 (301) 657-8220 GRGLE 369 ON READER CARD

Service Bureau 500 W. Putnam Ave. Greenwich, CT 06830 (203) 622-2000 GRICE 370 ON READER CARD.

Shared Medical Systems 650 Park Ave. King of Prussia, PA 19406 (215) 265-7600

I. P. Sharp Associates Ltd. 145 King Street West

Toronto, Canada (416) 364-5361 CIRCLE 372 ON READER CARD

Systems Dimensions 770 Brookfield Rd. Ottawa 8, Ontario, Canada

(613) 731-6910 GRCLE 373 ON READER CARD

Technical Advisors 4455 Fletcher St. Wayne, MI 48184 (313) 722-5010 ORCLE 374 ON READER CARD

Tel-A-Data
P. O. Box 3326
Miami Beach, FL 33196
(305) 625-8266
CPCLE 375 ON READER CARD.

Telstat Systems 150 E. 58th St. New York, NY 10022 (212) 826-0640 GRIGLE 376 ON PEADER CARD Time Share
Mt. Support Road
Lebanon, NH 03766
(603) 448-3838
CRICLE 377 ON READER CARD

Time Sharing Resources 777 Northern Blvd. Great Neck, NY 11022 (516) 487-0101 GRELE 378 ON READER CARD.

Time Sharing Systems 2150 N. Prospect Milwaukee, W1 53202 (414) 276-6776 CRCLE 379 ON READER CARD

Tracor 6500 Tracor Lane Austin, TX 78721 (512) 926-2800 CRCLE 380 ON READER CARD

TSC Computer
4121 Laurence Ave.
Scarborough, Ontario,
M1E 252, Canada
(416) 284-8726
CRICLE 381 ON READER CARD.

10340 Bubb Road Cupertino, CA 95014 (408) 257-6550 CIRCLE 382 ON READER CARD

Tymshare

Uni-Coll 3401 Science Ctr. Philadelphia, PA 19104 (215) 387-3890 CRICLE 383 ON READER CARD

United Computing Systems Washington Ave. Kansas City, MO 64111 (816) 221-9700 CRICLE 384 ON PRADER CARD

University Computing P. O. Box 47911 Dallas, TX 75247 (214) 688-7100 CRCLE 385 ON READER CARD

USS Engineers and Consultants 600 Grant St. Pittsburgh, px 15230 (412) 391-8115 CRCLE 386 ON READER CARD.

Wang Data Center One Industrial Ave. Lowell, MA 01851 (617) 851-4111

CIRCLE 387 ON READER CARD

Xerox Computer Services 5310 Beethoven St. Los Angeles, CA 90066 (213) 390-3461



CAMP Specs

Birdin

2.0" - Highlights

2.0" - Duectory

Brown # 860 (8886?)

Ink PMS 141

Type - Windson Outline

Windson Bold Condensed

Holdwood RP 12 alpha
Orange RP 4 Profiles
Brown kkadings

